

Search history

Search PN=(WO2016057177) (Results 1)

1:

Search [SP]: 1. a computer-implemented method comprising: receiving, via a single virtual adapter of a virtual private network (vpn) client, a plurality of separate data packets over a network, the vpn client residing in a user space portion of an operating system running on a computer system identifying, by the single virtual adapter, respective destinations for the plurality of separate data packets creating, by the vpn client, a plurality of connections to gateways corresponding to the respective destinations for the plurality of separate data packets and transmitting the data packets to the respective destinations via the respective gateways. 2. the method of claim 1, wherein the single virtual adapter is operating in a kernel space portion of the operating system. 3. the method of claim 1, wherein identifying the destinations for the plurality of separate data packets includes identifying the gateways corresponding to the destinations for the plurality of separate data packets. 4. the method of claim 1, wherein creating the connection to the gateway includes creating a transmission control protocol connection. 5. the method of claim 1, wherein creating the plurality of connections to the gateways includes creating a user datagram protocol connection. 6. the method of claim 1, further comprising removing the gateway connection. 7. the method of claim 1, wherein the plurality of data packets are each routed through a single virtual adapter operating in a kernel space of the operating system. 8. the method of claim 1, wherein the single virtual adapter comprises a routing table. 9. the method of claim 8, wherein the routing table identifies a destination address for a data packet. 10. a non-transitory, computer-readable medium storing instructions that, when executed, cause a computer system to: receive, via a single virtual adapter of a virtual private network (vpn) client, a plurality of separate data packets over a network, the vpn client residing in a user space portion of an operating system running on a computer system identifying, by the single virtual adapter, respective destinations for the plurality of separate data packets create, by the vpn client, a plurality of connections to gateways corresponding to the respective destinations for the plurality of separate data packets and transmit the data packets to the respective destinations via the respective gateways. 11. a computer system comprising: a processor and a non-transitory memory in communication with the processor and storing instructions that, when executed by the processor, cause the computer system to: receive, via a single virtual adapter of a virtual private network (vpn) client, a plurality of separate data packets over a network, the vpn client residing in a user space portion of an operating system running on a computer system identifying, by the single virtual adapter, respective destinations for the plurality of separate data packets create, by the vpn client, a plurality of connections to gateways corresponding to the respective destinations for the plurality of separate data packets and transmit the data packets to the respective destinations via the respective gateways. (Results 0)

Search [SP]: cross-references to related applications this application claims priority to u.s. provisional patent application no. 62/060,427, filed oct. 6, 2014 and entitled "system, devices and methods for protecting networking devices," and to u.s. provisional patent application no. 62/112,457, filed feb. 5, 2015 and entitled "multi-tunneling virtual network adapter," the disclosures of which are incorporated herein by reference. this application is related to u.s. patent application ser. no. 14/578,140, filed dec. 19, 2014 and entitled "systems and methods for protecting network devices," the disclosure of which is incorporated herein by reference. background in a client-server network model, companies or service providers typically offer services and/or applications to client computers and to other services over a computer network. servers and associated services may include, for example, mail servers, file servers, customer relationship management or crm services, enterprise resource planning or erp services, document management services, and the like. on the one hand, security needs to be guaranteed by restricting the access to these services to trusted users and clients only. on the other hand, trusted users need access to the services in an easy and straightforward manner. preferably, the services can be reached from anywhere at any time. with the "bring your own device" (or "byod") policy finding more and more acceptance in companies, services should also be reachable from "anything", i.e., from any device owned by a trusted user such as for example a tablet computer, a laptop computer, his computer at home or a smartphone. various conventional approaches exist to attempt to prevent unauthorized access to such application servers or to the services or applications served by these application servers. for example, placing application servers within a private network is itself a security measure as it isolates the companies network, local area network (or "lan") from the internet and other external public networks. devices, and thus services, inside the private network are not visible from the public network. the content of the traffic in the private network, and the manner the traffic can traverse the company's network boundaries, can be regulated and monitored by using network address translation (nat), firewall rules and proxies in the gateway devices separating the wan from the company's private network. private networks may further be subdivided physically or virtually by for example virtual lan's in order to further separate applications servers from potential unauthorized access by clients within the company's private network. network level security may be enforced on a user by user or a client by client basis, such as by configuring a client's firewall to (by default) only have access to an authentication server. when the client is authorized, the client's firewall is opened and all network devices are configured to let pass the client's network traffic to application servers it has been granted access to. network level security on a client or user level may also be attempted by a controller generating access rights for users based on identity profiles and health profiles. the controller then configures a protection device thereby providing network access to a set of servers. the enforcement of network level security in an accepting host may be attempted by configuring the host by a controller. when an initiating host is authorized access to an accepting host, the controller configures the accepting host to accept network connections from the initiating host. security within a private network may further be enforced by application level security where user or clients can only access the services on the servers after authentication. in such case a client may find the application server within the network, for example by its ip network address and may find the service running on the application server by its tcp or udp port number, but the service or application itself may deny the client or user based on authentication credentials. such authentication may be locally managed by the individual services or centrally by an authentication server. the services then check the authentication credentials against such an authentication server before granting a user and/or client access to a certain service. access to a company's private network may be established by a vpn or the virtual private network where a secured networking tunnel is setup between a client device and the private network. the setup of such a tunnel is only granted by authentication with a vpn server. different authorization schemes exist to ensure that only trusted users and/or clients can join a vpn. another solution for providing access to services in a company's private network is by opening up outside access to some services. for example, an email server may allow connections from outside so that users can check their email when they are not in the company. these services are sometimes restricted by only providing access through a specific interface such as for example through the company's website so that the client does not have physical network access to the server running the service but only to a web server providing a subset of the services. in risk based authentication, access to services is not only granted based on identification of the user and/or client by authentication credentials, but also based on further metrics in order to derive a level of trust appropriate to the risk level. such metrics are for example: the location of the user, the type of client, the operating system, if all security patches have been installed, the login history of the user etc. this way a user logging on by vpn may be restricted from services he would not be restricted from when logging on from within the private network. or a user logging on from within the private network with his own device may be denied some services. virtual network adapters are used when setting up vpn connections whereby the operating system routes packets destined to the vpn through the virtual adapter. virtual adapters run in the kernel space of an operating system. the vpn software, i.e., the dedicated software application running in user-space, then encrypts the complete packet and sends it to its destination (vpn service at the other side where the inverse process occurs). in conventional systems, however, administrative privileges are needed in order to create a virtual adapter, as the adapter resides in kernel space. additionally, for every vpn connection that is made, a new virtual adapter is needed. embodiments of the present disclosure address these and other issues. summary among other things, embodiments of the present disclosure allow multiple virtual private network connections to be created without the need for administrative privileges, and allow network traffic to be routed using a single virtual adapter instead of a dedicated virtual adapter for each virtual network connection. a computer-implemented method according to one embodiment of the present disclosure includes: receiving a data packet over a network by a routing component of a virtual private network (vpn) client, the vpn client residing in a user space portion of an operating system running on a computer system identifying, by the routing component, a destination for the data packet on the network creating, by the vpn client, a connection to a gateway corresponding to the destination for the data packet and transmitting the data packet to the destination via the gateway. the present disclosure includes various methods, apparatuses (including computer systems) that perform such methods, and computer readable media containing instructions that, when executed by computing systems, cause the computing systems to perform such methods. other features will be apparent from the accompanying drawings and from the detailed description which follows. brief description of drawings fig. 1 is an exemplary system for protecting network devices from network access by untrusted client devices according to various aspects of the disclosure. fig. 2 is an exemplary process executed by a client device to gain network access to protected network devices according to various aspects of the disclosure. fig. 3 is an exemplary process executed by an authentication server for providing a client access and tunnel list to a client device allowing this client network access to protecting network devices according to various aspects of the disclosure. fig. 4 is an exemplary process executed by a gateway to provide a client access to protected network devices behind a firewall in this gateway according to various aspects of the disclosure. fig. 5 is an exemplary process executed by client device to gain network access to a second selection of network devices behind a firewall of a gateway after having gained access to a first selection of these network devices according to various aspects of the disclosure. fig. 6 illustrates an exemplary exchange of a keep alive message between a client device and a gateway in order to maintain a networking tunnel between the client and the client device according to various aspects of the

disclosure. fig. 7 illustrates an exemplary system for protecting network devices from network access by untrusted client devices according to various aspects of the disclosure. fig. 8 illustrates an exemplary system for protecting network devices from network access by untrusted client devices according to various aspects of the disclosure. fig. 9 illustrates an exemplary system for protecting network devices from network access by untrusted (Results 0)

Search [SP]: multi-tunneling virtual network adapter among other things, embodiments of the present disclosure allow multiple virtual private
4: network connections to be created without the need for administrative privileges, and allow network traffic to be routed using a single virtual adapter instead of a dedicated virtual adapter for each virtual network connection. (Results 117)

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6:

Title: METHOD AND SYSTEM FOR MANAGING AND CONFIGURING VIRTUAL PRIVATE NETWORKS

Abstract: Source: US2002023210A [EN] Methods and systems are provided for enabling a network between a first and a second processor using at least one additional processor separate from the first and second processors. In one embodiment, the at least one additional processor receives information indicating a consent on behalf of the first processor to enabling a tunnel between the first processor and the second processor and receives information indicating a consent on behalf of the second processor to enabling a tunnel between the second processor and the first processor. The at least one additional processor determines a first virtual address for the first processor and a second virtual address for the second processor such that the first and second virtual addresses uniquely identify the first and second processors, respectively, and are routable through the network. The at least one additional processor provides to each of the first and second processors the first and second virtual addresses to enable one or more tunnels between the first and the second processors.

Classifications:

International (IPC 8-9): G06F13/00 G06F15/16 G06F15/17
G06F15/177 G06F21/20 G06F7/04 H0419/00 H04L12/24 H04L12/26
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H04L9/00 (Advanced/Invention);
G06F3/00 H04L29/08 H04L29/12 (Advanced/Non-invention);
G06F21/00 H04L12/24 H04L12/26 H04L12/46 H04L12/56 H04L29/06
H04L29/08 H04L29/12 (Core/Invention);
H04L29/08 H04L29/12 (Core/Non-invention)

International (IPC 1-7): G06F13/00 G06F15/16 G06F15/163
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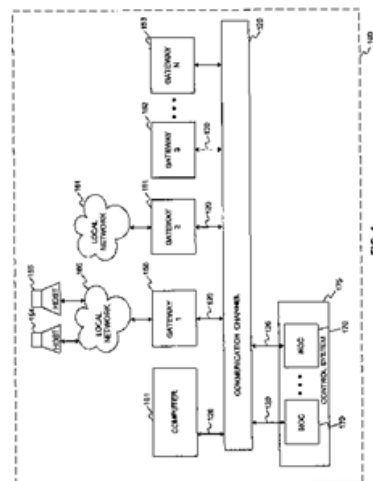
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H04L12/4633

European: H04L12/24E1A H04L12/24S1B1 H04L12/24S1E
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PatBase - US2002023210_AH

Patent Application Publication Feb. 21, 2002 Sheet 1 of 23 US 2002/003210 A1



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Agent(s): SMART AND BIGGAR; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: SYSTEM PROVIDING INTERNET ACCESS MANAGEMENT WITH ROUTER-BASED POLICY ENFORCEMENT

Abstract: Source: US2003055962A [EN] A computing environment with methods for monitoring access to an open network such as the Internet, is described. The system includes one or more client computers, each operating applications (e.g., Netscape Navigator or Microsoft Internet Explorer) requiring access to an open network, such as a WAN or the Internet, and a router or other equipment that serves a routing function (e.g., a cable modem) for the client computers. A centralized security enforcement module on the router maintains access rules for the client computers and verifies the existence and proper operation of a client-based security module on each client computer. The router-side security module periodically sends out a router challenge via Internet broadcast to the local computers on the network. If the client-side security module is installed and properly operating, the client-side security module responds to the router challenge. The responses received by the router-side security module are maintained in a table. Each time the router receives a request from a client computer to connect to the Internet, the router-side security module reviews the table and analyzes whether or not the computer requesting a connection to the Internet properly responded to the most recent router challenge. If it determines that the computer has properly responded to the router challenge, then it permits the computer to connect to the Internet. If a computer has not properly responded or if a computer has not answered the router challenge, then the computer is not allowed to connect to the Internet as requested.

Classifications:

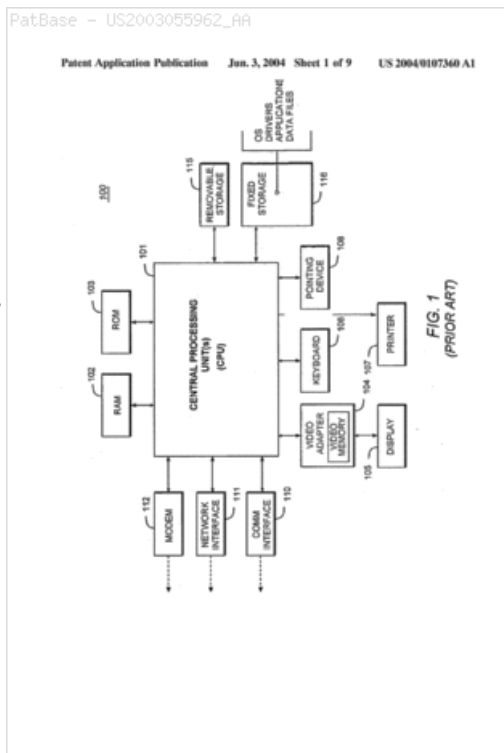
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International (IPC 1-7): G06F11/30 G06F15/16 G06F15/173 G06F17/30 H04L9/00 H04L9/32

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**Family:**

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US8200818 BB	20120612	US20010944057	20010830

Priority:

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US20040708660	20040317	US20030249073	20030313	US20030481679P	20031120

Probable Assignee: CHECK POINT SOFTWARE TECHNOLOGIES INC

Assignee(s): (std): FREUND GREGOR PAUL ; ZONE LABS INC ; CHECK POINT SOFTWARE TECH LTD ; CHECK POINT SOFTWARE TECHNOLOG ; CHECK POINT SOFTWARE TECHNOLOGIES INC ; HAYCOCK KEITH ALLAN ; HERRMANN CONRAD KAMAHA O

Assignee(s): FREUND GREGOR ; FREUND GREGOR P ; ZONE L S INC AB ; ZANZIBAR ACQUISITION LLC ; ZONE LABS LLC ; ZONE LABS INC A CORP OF CALIFORNIA ; HERRMANN CONRAD K ; HAYCOCK KEITH A ; HAYCOCK KEITH ; HERRMANN CONRAD

Inventor(s): (std): ALBERT ANTHONY ; FREUND GREGOR PAUL ; HAYCOCK KEITH ALLAN ; HERRMANN CONRAD K ; HERRMANN CONRAD KAMAHA O ; KAWAMURA KYLE ; KAWAMURA KYLE N ; MURARI SINDUJA ; LEROY JESS A ; HERRMANN CONRAD ; HAYCOCK KEITH A ; HAYCOCK KEITH ; FREUND GREGOR P ; FREUND GREGOR ; BENTLEY JOSEPH E ; BAHARESTAN KAVEH ; HERMANN CONRAD

Agent(s): JOHN A ; G MACK ; SMART JOHN A

Title: METHODS AND SYSTEMS FOR SECURING ACCESS TO PRIVATE NETWORKS USING ENCRYPTION AND AUTHENTICATION TECHNOLOGY BUILT IN TO PERIPHERAL DEVICES

Abstract: Source: US2006029062A [EN] A method for routing packets from a peripheral device to a Virtual Private Network (VPN) gateway includes the step of implementing, by a peripheral device, a change to a routing table. The peripheral device receives an outbound packet. The peripheral device transmits information about the outbound packet to a VPN client application. The peripheral device modifies address information on the outbound packet with address information associated with the VPN client application. The peripheral device transmits the modified outbound packet to the VPN client application.

Classifications:

International (ipc 8-9): G01R31/08 G06F11/20 G06F13/00 G06F15/16 G06F15/173 G06F21/20 H04J3/16 H04J3/22 H04L1/14 H04L1/18 H04L12/24 H04L12/26 H04L12/28 H04L12/46 H04L12/56 H04L12/66 H04L12/701 H04L12/721 H04L12/725 H04L12/749 H04L12/801 H04L12/805 H04L12/813 H04L12/851 H04L12/853 H04L12/859 H04L12/861 H04L29/06 H04L29/08 H04L29/12 H04L29/14 H04L9/00 (Advanced/Invention); H04L9/32 (Advanced/Non-invention); G01R31/08 G06F11/20 G06F13/00 G06F15/16 H04J3/16 H04J3/22 H04L1/12 H04L1/16 H04L12/24 H04L12/26 H04L12/28 H04L12/46 H04L12/56 H04L12/66 H04L29/06 H04L29/08 H04L29/14 (Core/Invention); H04L (Subclass/Invention)

International (ipc 1-7): A61K31/454 H04L12/56 H04L29/06 H04L29/08 H04L29/14

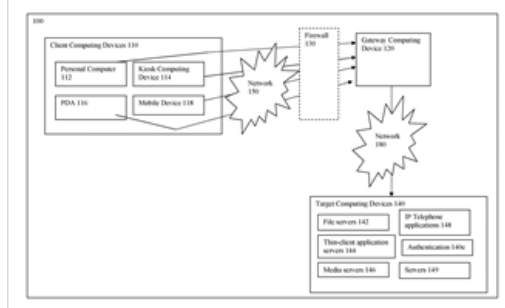
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European: H04L1/18R7 H04L12/24E1A H04L12/28P1 H04L12/28P1D3 H04L12/46E H04L12/46V H04L29/06C6A H04L29/06C6C H04L29/06C8A H04L29/06S10A H04L29/06S16C H04L29/06S16E H04L29/06S20 H04L29/06S2B H04L29/08A7 H04L29/08N13 H04L29/08N13A H04L29/08N9A H04L29/08N9A11 H04L29/12A H04L29/12A4A H04L29/12A4A1B H04L29/12A4A7 H04L29/14 H04L41/08A1 H04L43/08D H04L45/00 H04L45/30 H04L47/10 H04L47/20 H04L47/24B H04L47/24C1 H04L47/24H H04L47/36 H04L61/00 H04L61/25A1B H04L61/25A7 H04L63/02B H04L63/02B1 H04L63/02C H04L63/02E H04L63/04B H04L63/06A H04L63/06B H04L63/10A H04L63/12B H04L63/16C H04L63/16D H04L63/20 T04L12/24D T04L12/24E3 T04L29/06C6R T04L41/08F T04L63/16C T04L63/16D

US: 1/1 370/229 370/235 370/236 370/352 370/352P 370/389 370/389P 370/391 370/392 370/395.52 370/401 370/465 370/465P 370/466 370/470 370/471 707/204 707/682 709/217 709/219 709/223 709/224 709/225 709/227 709/228 709/229 709/229P 709/230 709/230P 709/238 709/239 709/245 709/248 709/249 713/151 713/151P 713/153 713/154 713/160 713/160P 713/160S 714/6 714/6.12 714/748 714/750 726/1 726/13 726/13P 726/14 726/14P

PatBase - US2006029062_RR



Family:

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Priority:

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Probable Assignee: CITRIX SYSTEMS INC

Assignee(s): (std): BRUEGGEMANN ERIC ; BRUEGGEMANN ERIC R ; CITRIX SYSTEMS INC ; RAO GOUTHAM P ; RODRIGUEZ ROBERT ; RODRIGUEZ ROBERT A

Assignee(s): CITRIX SYSTEMS INC CAMBOURNE ; CITRIX SYSTEMS INC FORT LAUDERDALE

Inventor(s): (std): BRUEGGEMANN ERIC ; BRUEGGEMANN ERIC R ; ROBERT RAO GOUTHAM P BRUEGGEMA ; RODRIGUEZ ROBERT ; RODRIGUEZ ROBERT A ; ROBERT RODRIGUEZ ; RAO GOUTHAM ; GOUTHAM P RAO ; ERIC BRUEGGEMANN ; RAO GOUTHAM P

Inventor(s): RAO GOUTHAM P SAN JOSE ; RODRIGUEZ ROBERT C O KELLAN PONIKIEWICZ IP COUNSEL ;
RODRIGUEZ ROBERT SAN JOSE ; BRUEGGEMANN ERIC CUPERTINO

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; PIZZEYS; BERESKIN AND PARR LLP SENCRL
SRL; MURGITROYD AND CO; SCHIEBER FARAGO; ARMSTRONG ROSEMARY; MODIANO MICHAELA
NADIA; COOPER JOHN; WOLFF BREGMAN AND GOLLER; CHOATE HALL AND STEWART LLP; CHOATE
HALL AND STEWART CITRIX SYSTEMS INC; JOHN D; CHRISTOPHER J; CHRISTORPHER; DANIEL E;
FOLEY AND LARDNER LLP; CHRISTOPHER; PAUL M H

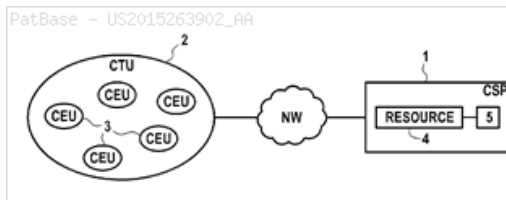
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NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US
UZ VC VN YU ZA ZM ZW

Abstract: Source: US2015263902A [EN] Disclosed is a method comprising updating a first model describing a pool of computer and network resources and a second multi-level hierarchical model describing an entity, each level having at least one element containing one or more users of the entity and associated with an algorithm for allocating at least a portion of the pool, the union of the elements at any level containing all of the users, such that the first and second models represent a current state of the pool of resources and a current state of the entity. Upon request from a user to access a resource specified in the request, resources may be identified by applying the algorithms of the second model to the current state of the pool represented by the first model, verifying compatibility between the identified resources and the resource specified in the request, and rejecting the request in the event of incompatibility.

International (IPC 8-9): G06F21/62 G06F9/50 H04L12/24
H04L12/911 H04L29/08 (Advanced/Invention)

US: 709/226

US: 709/226



Publication number	Publication date	Application number	Application date
EP2901279 A1	20150805	EP20130779288	20130923
FR2996018 A1	20140328	FR20120059122	20120927
US2015263902 AA	20150917	US20130431638	20130923
US9736029 BB	20170815	US20130431638	20130923
WO14049251 A1	20140403	WO20133FR52207	20130923

FR20120059122 20120927 WO2013FR52207 20130923

Assignee(s): (std): FRANCE TELECOM ; ORANGE

Inventor(s): (std): HE RUAN ; LEBOURGEOIS JACQUES ; TERRIER JULIEN

Inventor(s): RUAN HE ; JACQUES LEBOURGEOIS ; JULIEN TERRIER

Agent(s): FONTENELLE SANDRINE; CABINET BEAU DE LOMENIE; KNOBBE MARTENS OLSON AND BEAR LLP;
ORANGE IMT OLPS IPL PAT

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UB UG UZ VC VN ZA ZM ZW

Title: METHOD FOR PROVIDING SERVICE OF MOBILE VPN

Abstract: Source: US2014223541A [EN] Disclosed is a method for providing mobile virtual private network (VPN) services. An operation method of a group and tunnel manager (GTM) for providing mobile VPN services includes receiving a first message for registering information of a VPN group from a gateway, generating tunnel information between the GTM and the gateway based on the first message, and transmitting a packet based on the tunnel information. Accordingly, a private address may be used even in a mobile VPN, and therefore a VPN site may be configured even in an environment where a public address is difficult to use, or a flexible VPN site may be configured.

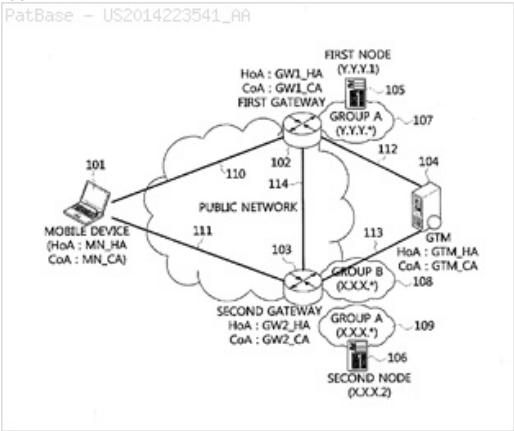
Classifications:

International (IPC 8-9): H04L12/66 H04L12/70

H04L29/06 (Advanced/Invention)

CPC: H04L63/0272

US: 726/15



Family:

Publication number	Publication date	Application number	Application date
KR20140099598 A	20140813	KR20130012171	20130204
US2014223541 AA	20140807	US20130083872	20131119

Priority:

KR20130012171 20130204

Probable Assignee: ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST

Assignee(s): (std): ELECT AND TELECOMM RESEARCH INST ; ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST KOREA ; KOREA ELECTRONICS TELECOMM

Assignee(s): ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE ; ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST

Inventor(s): (std): KIM SUN CHEUL ; RYU HO YONG ; YOON HO SUN

Title: GENERALIZED POLICY SERVER

Abstract: Source: US2008028436A [EN] A scalable access filter that is used together with others like it in a virtual private network to control access by users at clients in the network to information resources provided by servers in the network. Each access filter use a local copy of an access control database to determine whether an access request made by a user. Changes made by administrators in the local copies are propagated to all of the other local copies. Each user belongs to one or more user groups and each information resource belongs to one or more information sets. Access is permitted or denied according to of access policies which define access in terms of the user groups and information sets. The rights of administrators are similarly determined by administrative policies. Access is further permitted only if the trust levels of a mode of identification of the user and of the path in the network by which the access is made are sufficient for the sensitivity level of the information resource. If necessary, the access filter automatically encrypts the request with an encryption method whose trust level is sufficient. The first access filter in the path performs the access check and encrypts and authenticates the request; the other access filters in the path do not repeat the access check. A policy server component of the access filter has been separated from the access filter and the policies have been generalized to permit administrators of the policy server to define new types of actions and new types of entities for which policies can be made. Policies may now further have specifications for time intervals during which the policies are in force and the entities may be associated with attributes that specify how the entity is to be used when the policy applies.

Classifications:

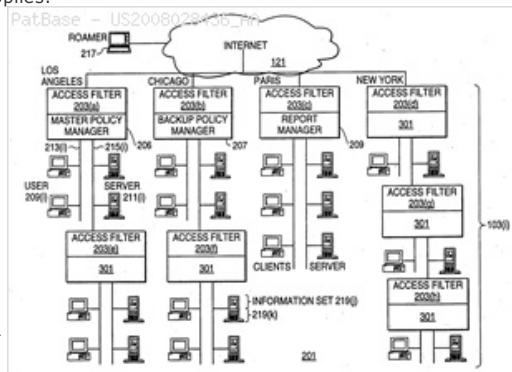
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H04L9/28 (Advanced/Invention);
H04L12/24 (Advanced/Non-invention);
G06F15/16 G06F17/00 G06F17/30 G06F21/00
H04L29/06 (Core/Invention);
H04L12/24 (Core/Non-invention)

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US: 1/1 370/229 370/252 707/10 707/103 707/3 707/610 707/623 707/9 707/999.003 707/999.009 707/999.01 709/200 709/201 709/205 709/217 709/224 709/225 709/225P 709/229 713/168 713/168P 715/741 726/1 726/15 726/1P 726/2 726/31 726/4



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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WO2000US17078	20000621	US20060513427	20060831		

Probable Assignee: DELL SOFTWARE INC

Assignee(s): (std): INTERNET DYNAMICS INC ; HANNEL CLIFFORD LEE ; LIPSTONE LAURENCE R ; HANNEL CLIFFORD L ; DROPBOX INC ; MAY ANTHONY ALLAN ; SCHNEIDER DAVID S ; SCHNEIDER DAVIS S ; REDLEAF GROUP INC ; SONICWALL INC ; RIBET MICHAEL B

Assignee(s): PSM MERGER SUB DELAWARE INC C O THOMA BRAVO LLC ; PSM MERGER SUB DELAWARE INC ; XYLON LLC ; SONICWALL LLC ; SONICWALL US HOLDINGS INC ; QUEST SOFTWARE INC F K A DELL SOFTWARE INC ; PSM MERGER SUB (DELAWARE) INC ; PSM MERGER SUB (DELAWARE) INC C O THOMA BRAVO LLC ; MARSHMAN RESEARCH LLC ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; INTERNET DYNAMICS INC A OF DELAWARE CORP ; INTELLECTUAL VENTURES ASSETS 8 LLC ; KENDALL HOLDINGS LLC ; INTERNET DYNAMICS INC (A OF DELAWARE) CORP ; JENSEN DANIEL ; AVENTAIL LLC ; BANK OF NEW YORK MELLON TRUST CO NA NOTES COLLATERAL AGENT AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH AG ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AG AS ; DELL PRODUCTS LP ; DELL SOFTWARE INC

Inventor(s): (std): DANIEL JENSEN ; DAVID S SCHNEIDER ; DAVIS S SCHNEIDER ; HANNEL CLIFFORD L ; HANNEL CLIFFORD LEE ; JENSEN DANIEL ; LAURENCE R LIPSTONE ; LIPSTONE LAURENCE R ; MAY ANTHONY ; MAY ANTHONY ALLAN ; MICHAEL B RIBET ; RIBET MICHAEL B ; CLIFFORD L HANNEL ; SCHNEIDER DAVID S ; SCHNEIDER DAVIS S

Inventor(s): CLIFFORD LEE HANNEL ; SCHNEIDER DAVID ; LIPSTONE LAURENCE ; HANNEL CLIFFORD ; ANTHONY ALLAN MAY

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; CARR AND FERRELL LLP; LEWIS AND ROCA LLP; LEWIS ROCA ROTHGERBER LLP; FENWICK AND WEST LLP

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW

Title: FIREWALL FOR FILTERING TUNNELED DATA PACKETS

Abstract: Source: US2003115328A [EN] A method of filtering a tunneled data packet comprising an outer header and an outer payload, the outer payload comprising an inner data packet comprising an inner header and an inner payload, where the value of at least one outer header field of the tunneled data packet is matched to a first rule, and the action defined in the first rule is taken. Taking the action defined in the first rule comprises detecting the inner data packet within the tunneled data packet, matching the value of at least one field of the inner data packet to a second rule, and taking the action defined in the second rule.

Classifications:

International (ipc 8-9): H04L29/06 (Advanced/Invention);
H04L29/06 (Core/Invention)

International (ipc 1-7): G06F15/173 H04L29/06

CPC: H04L63/0236 H04L63/0254 H04L63/029 H04W80/04

European: H04L29/06C6A H04L63/02B1 H04L63/02B4 H04L63/02E
T04W280/04 T04W38/02 T04W80/04

US: 709/225 709/225P 713/150 713/160

PatBase - US2003115328_AA

Patent Application Publication Jun. 19, 2003 Sheet 1 of 6 US 2003/0115328 A1

RULE #	SRC ADDR	DST ADDR	SERVICE	ACTION
1	any	172.16.1.10	http	allow
2	any	any	http	deny
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4	10.1.1.0	any	telnet	allow
5	any	any	any	deny

Fig. 1A

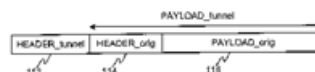


Fig. 1B

Family:

Publication number	Publication date	Application number	Application date
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EP1317115 A3	20070404	EP20020396174	20021121
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FI20012338 A0	20011129	FI20010002338	20011129
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Priority:

FI20010002338 20011129

Probable Assignee: FORCEPOINT LLC

Assignee(s): (std): STONESOFT CORP

Assignee(s): WEBSense FINLAND OY ; SYVANNE TUOMO ; FORCEPOINT FINLAND OY ; FORCEPOINT LLC ; JALAVA MIKA ; RAYTHEON CO ; SALMINEN RIKU

Inventor(s): (std): SYVANNE TUOMO ; SYVAENNE TUOMO ; SALMINEN RIKU ; JALAVA MIKA

Agent(s): AEKRAES TAPIO JUHANI; BARNES AND THORNBURG LLP

Designated states: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Title: SYSTEM AND METHOD FOR TRANSMITTING WORKSPACE ELEMENTS ACROSS A NETWORK

Abstract: Source: US2002035618A [EN] A system uses a global translator to automatically synchronize multiple copies of a workspace element across different formats between multiple sites in a secure network environment, independent of whether the sites are protected by site firewalls. The secure network environment includes a global server connected to multiple clients. The system includes a first store for storing a first workspace element in a first format, a second store for storing a second workspace element which is an independently-modifiable copy of the first workspace element in a second format, a communications channel coupling the first store to the second store, synchronization means for synchronizing the first workspace element and the second workspace element, and a translator for translating between the first format and the second format.

Classifications:

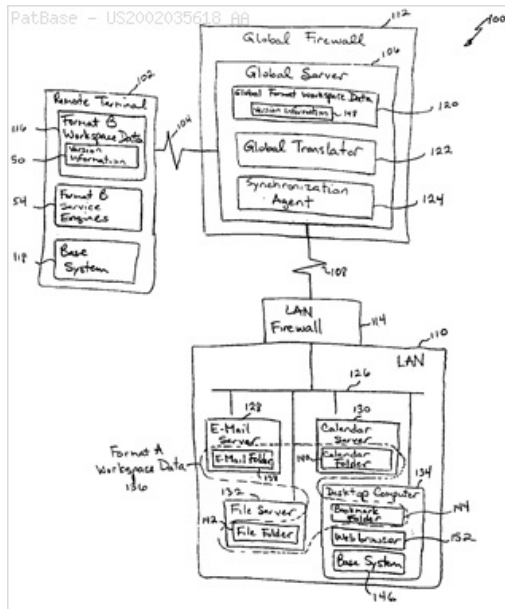
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International (IPC 1-7): G06F1/00 G06F12/00 G06F13/00 G06F13/42 G06F15/00 G06F15/16 G06F15/17 G06F17/00 G06F17/30 G06F17/60 G06F9/44 G06Q10/00 H04K1/00 H04L12/16 H04L12/24 H04L12/54 H04L12/58 H04L29/06 H04L9/00

CPC: H04L63/0838 G06Q20/382 Y10S707/99931 Y10S707/99939 Y10S707/99945 Y10S707/99952 Y10S707/99953 Y10S707/99934 Y10S707/99954 H04L51/22 G06F9/54 H04L51/36 G06Q10/107 H04L63/04 H04L63/0823 H04L67/1095 H04L67/42 H04L69/04 H04L67/28 H04L67/2823 H04L67/2842 H04L67/2876 H04L69/329 H04L67/2838 G06F17/30578 H04L63/02 H04L63/0807 H04L63/10 H04L63/0435 G06F21/31 G06F21/629 G06F2211/007 G06F2221/2141 H04L29/06 H04L63/102 G06Q10/10 G06F21/6218

European: G06F1/00N5A2 G06F17/30S7A G06F17/60A2 G06F21/31 G06F21/62B G06F21/62C G06F9/54 G06Q10/10 G06Q10/107 G06Q20/382 H04L12/58 H04L12/58U H04L29/06 H04L29/06C5 H04L29/06C6A H04L29/06C6B H04L29/06C6C2 H04L29/06C6D H04L29/06C8 H04L29/06S2 H04L29/06S4 H04L29/08A7 H04L29/08N27 H04L29/08N27F H04L29/08N27S H04L29/08N27X2 H04L51/36 H04L63/02 H04L63/04 H04L63/04B1 H04L63/08C H04L63/08D1 H04L63/10 H04L63/10B S06F211/014B S06F221/2141 T04L29/06C6D T04L29/06C6D2 T04L29/06C6D4 T04L29/06C6J T04L29/06C8 T04L29/08A7 T04L29/08N27I T04L29/08N27S T04L29/08N9R T04L63/02 T04L63/08A

US: 1/1 15/749 395/200.35 705/64 707/1 707/10 707/104 707/104.1 707/201 707/203 707/4 707/9 707/999.001 707/999.004 707/999.009 707/999.01 707/999.104 707/999.201 707/999.202 707/999.203 707/E17.005 707/E17.005S 709/200 709/200S 709/203 709/203S 709/204 709/205 709/206 709/217 709/218 709/218P 709/219 709/219P 709/219S 709/220 709/220P 709/224 709/225 709/229 709/229P 709/246 709/248 709/248P 709/248S 713/168 713/185 726/11 726/11S 726/3 726/4 726/6

**Family:**

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Probable Assignee: GOOD TECHNOLOGY HOLDINGS LTD

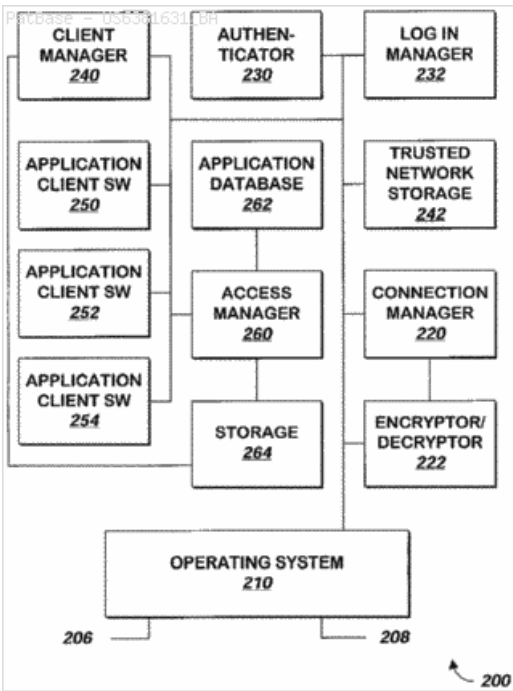
Designated states: AL AM AT AZ BE BY CA CH CN CY DE DK ES FI FR GB GR IE IL IT JP KG KZ LI LT LU LV MC MD MK NL
PT RO RU SE SG SI TJ TM

Title: METHOD AND APPARATUS FOR CONTROLLING CLIENT COMPUTER SYSTEMS

Abstract: Source: US6381631B [EN] A method and apparatus connects a user to a remote network, and enforces operation of management software before the user is allowed to perform other tasks on the remote network. The method and apparatus also allows connection of the user to a third party network. The user may be restricted from accessing third party networks not on a trusted list of networks, which may be updated by the management software. The method and apparatus enforces access rules for the third party software to prevent unauthorized retrieval or deletion of information by the third party software.

Classifications:

International (ipc 8-9): H04L29/06 (Advanced/Invention);
H04L29/06 (Core/Invention)
International (ipc 1-7): G06F15/16
CPC: Y10S707/99931 Y10S707/99953 H04L63/0823
European: H04L29/06C6C2 H04L63/08C T04L29/06C6D4A
US: 707/1 707/10 707/205 707/999.001 707/999.01 707/999.202
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709/227 709/229 709/245 713/201 726/5



Family:

Publication number	Publication date	Application number	Application date
US6381631 BA	20020430	US19990324891	19990603

Priority:

US19990324891 19990603

Probable Assignee: BMC SOFTWARE INC

Assignee(s): (std): MARIMBA INC

Assignee(s): BMC SOFTWARE INC ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AG AS

Inventor(s): (std): VAN HOFF ARTHUR A

Title: SYSTEM AND METHOD FOR MONITORING AND ANALYZING INTERNET TRAFFIC

Abstract: Source: US2002042821A [EN] A system and method for monitoring and analyzing Internet traffic is provided that is efficient, completely automated, and fast enough to handle the busiest websites on the Internet, processing data many times faster than existing systems. The system and method of the present invention processes data by reading log files produced by web servers, or by interfacing with the web server in real time, processing the data as it occurs. The system and method of the present invention can be applied to one website or thousands of websites, whether they reside on one server or multiple servers. The multi-site and sub-reporting capabilities of the system and method of the present invention makes it applicable to servers containing thousands of websites and entire on-line communities. In one embodiment, the system and method of the present invention includes e-commerce analysis and reporting functionality, in which data from standard traffic logs is received and merged with data from e-commerce systems. The system and method of the present invention can produce reports showing detailed "return on investment" information, including identifying which banner ads, referrals, domains, etc. are producing specific dollars.

Classifications:**International (IPC 8-9):** C07K14/705 G06F15/16 G06F15/173

G06F17/30 G06F7/00 G06Q30/00 G06Q30/06 H04L12/24

H04L12/26 (Advanced/Invention);

A61K38/00 G06Q10/10 (Advanced/Non-invention);

C07K14/435 G06F15/16 G06F17/30 G06F7/00 G06Q30/00 H04L12/24

H04L12/26 (Core/Invention);

A61K38/00 (Core/Non-invention)

International (IPC 1-7): G06F15/16 G06F15/173 G06F7/00**CPC:** H04L43/045 H04L43/06 H04L43/062 H04L43/065 H04L43/067 H04L43/106 H04L67/146 H04L67/22 H04L41/142

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G06F17/30595

European: C07K14/705 G06F17/60B G06Q30/06 H04L12/24F3 H04L12/26M2B1 H04L29/08N13J H04L29/08N21 H04L41/22

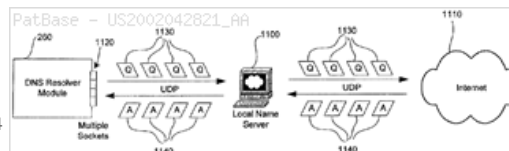
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**Family:**

Publication number	Publication date	Application number	Application date
AU200078518 A1	20010510	AU20000078518	20001004
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US7610289 BB	20091027	US20040799738	20040315
US8032564 BB	20111004	US20090606683	20091027
US8554804 BB	20131008	US20110233698	20110915
US9185016 BB	20151110	US20130966433	20130814
WO0125896 A1	20010412	WO2000US27287	20001004

Priority:

US19990157649P 19991004	US20000679297 20001004	US20010852264 20010510
US20040799738 20040315	US20090606683 20091027	US20010893512 20010629
WO2000US27287 20001004	US20110233698 20110915	US20130966433 20130814

Probable Assignee: GOOGLE LLC**Assignee(s):** (std): MOON HUI SOK ; QUANTIFIED SYSTEMS INC ; URCHIN SOFTWARE CORP ; GOOGLE INC ; MURET PAUL N**Assignee(s):** GOOGLE LLC**Inventor(s):** (std): MURET PAUL N ; MOON HUI S ; MOON HUI SOK ; MURET PAUL NICOLAS**Inventor(s):** PAUL NICOLAS MURET ; HUI SOK MOON ; MURET PAUL ; MOON HUI**Agent(s):** FLESHNER AND KIM LLP; FISH AND RICHARDSON PC**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Title: ELECTRONIC SERVICE SYSTEM USING SAFE USER INFORMATION MANAGEMENT SCHEME

Abstract: Source: US2002049914A [EN] An electronic service system is formed such that the personal authentication information such as user ID and password registered at one site can be utilized in carrying out the electronic commerce or the electronic service at another site, by transferring the user information between a plurality of EC sites safely.

Classifications:

International (IPC 8-9): G06F21/00 G06Q20/40 G06Q30/06

G06Q40/00 G06Q40/02 G06Q50/00 (Advanced/Invention)

International (IPC 1-7): G06F11/30 G06F17/60

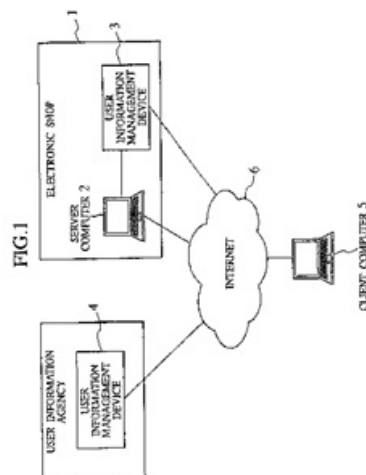
CPC: G06F21/41 G06F21/31 G06F2221/2115

European: G06F21/31 G06F21/41 S06F221/2115

US: 713/201 726/6 726/6P

PatBase - US2002049914_AH

Patent Application Publication Apr. 25, 2002 Sheet 1 of 10 US 2002/0049914 A1



Family:

Publication number	Publication date	Application number	Application date
JP2002133324 A2	20020510	JP20000325045	20001025
US2002049914 AA	20020425	US20010983698	20011025

Priority:

JP20000325045 20001025

Probable Assignee: TOSHIBA KK

Assignee(s): (std): TOSHIBA CORP ; TOSHIBA KK

Assignee(s): KABUSHIKI KAISHA TOSHIBA

Inventor(s): (std): FUKUMOTO ATSUSHI ; INOUE ATSUSHI ; KUMAKI YOSHINARI ; SHIBUYA NAOHISA ; TAKAGI MASAHIRO

Title: METHOD AND SYSTEM FOR ACCESS IN OPEN SERVICE ARCHITECTURE

Abstract: Source: US2004044910A [EN] The present invention provides a method and system for access control in an open service architecture, preferably a Parlay architecture. A framework entity includes or co-operates with a gateway entity. A client application intending to use a service of the open service architecture signs a service agreement with the framework entity which then sets the rules for the gateway entity accordingly. The gateway entity controls the service use in accordance with the signed service agreement. After expiry of the service agreement, the gateway entity inhibits further use of the service by the client application. The framework entity and gateway entity may preferably be arranged within the same network equipment.

Classifications:

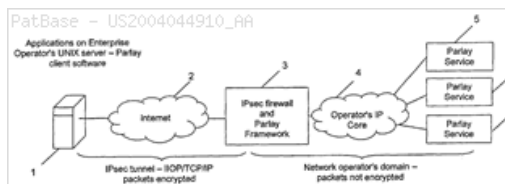
International (IPC 8-9): G06F15/173 G06F9/00 G06F9/44 H04L29/06 H04L29/08 H04L9/00 (Advanced/Invention); G06F15/16 G06F9/00 G06F9/44 H04L29/06 H04L29/08 H04L9/00 (Core/Invention)

International (IPC 1-7): G06F15/173 G06F9/00 G06F9/44 H04L9/00

CPC: H04L69/329 H04L63/164 H04L63/0428 H04L63/0471

European: H04L29/06C6B H04L29/06S4B H04L29/08A7 H04L63/04B H04L63/04B10 H04L63/16C

US: 709/223 709/223S 713/201 726/27 726/27S 726/6 726/6P



Family:

Publication number	Publication date	Application number	Application date
AT516536 E	20110715	AT20000985185T	20001215
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AU2001221677 AA	20020624	AU20010221677	20001215
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DK1402350 T3	20111031	DK20000985185T	20001215
EP1402350 A2	20040331	EP20000985185	20001215
EP1402350 B1	20110713	EP20000985185	20001215
US2004044910 AA	20040304	US20030450402	20030905
WO0248858 A2	20020620	WO2000EP12885	20001215
WO0248858 A3	20031231	WO2000EP12885	20001215

Priority:

EP20000985185 20001215 WO2000EP12885 20001215

Probable Assignee: NOKIA SIEMENS NETWORKS OY

Assignee(s): (std): NOKIA CORP ; NOKIA SIEMENS NETWORKS OY ; YLIPIETI MIKA

Inventor(s): (std): YLIPIETI MIKA

Inventor(s): MIKA YLIPIETI

Agent(s): BORGSTROEM MARKUS

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: DYNAMIC INTRUSION DETECTION FOR COMPUTER SYSTEMS

Abstract: Source: US2003009693A [EN] An intrusion detection system monitors for signature events, which are part of base intrusion sets that include signature event counters, signature thresholds, and base actions. Associated with each base intrusion set is an action set including an action counter, an action threshold, and an action variable. The associated action counter is updated when the base action of the base intrusion set is invoked responsive to the count of associated signature events meeting the associated signature threshold. The action counter is compared with an action threshold. If the action counter meets the threshold, the associated action variable is updated. The action variable is then passed to an analysis engine comprising a set of rules, which analyses the action variable either in isolation or together with other action variables associated with other base intrusion sets. According to the analysis, an element of a base intrusion set or an action set may be changed.

Classifications:

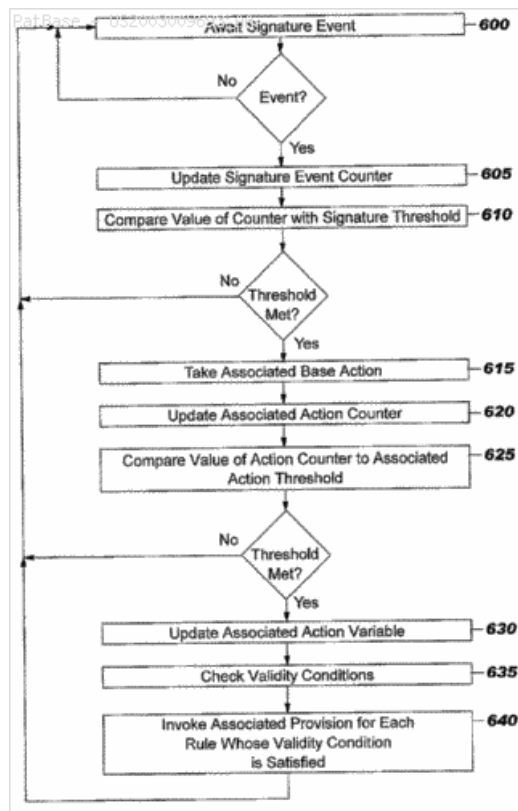
International (IPC 8-9): G06F21/00 (Advanced/Invention);
G06F21/00 (Core/Invention)

International (IPC 1-7): G06F1/24 G06F11/30

CPC: G06F21/554

European: G06F21/55B

US: 709/224 709/224S 713/182 713/189 713/194 713/200 713/201
726/22 726/23 726/23P

**Family:**

Publication number	Publication date	Application number	Application date
US2003009693 AA	20030109	US20010901443	20010709
US6928549 BB	20050809	US20010901443	20010709

Priority:

US20010901443 20010709

Probable Assignee: IBM

Assignee(s): (std): IBM

Assignee(s): INT BUSINESS MACHINES CORP

Inventor(s): (std): BROCK ASHLEY ANDERSON ; KIM NATHANIEL WOOK ; LINGAFELT CHARLES STEVEN

Agent(s): SCHMEISER OLSEN AND WATTS; PIVNICHNY JOHN R; JOHN R

Title: FLEXIBLE AUTOMATED CONNECTION TO VIRTUAL PRIVATE NETWORKS

Abstract: Source: US2003028650A [EN] A network interface unit is provided for use intermediate a LAN and a public or private network, or a combination of both, for establishing secure links to a VPN gateway. Login by a LAN client with the network interface unit, addressing, authentication, and other configuration operations achieved using a web page-based GUI are applied in establishing tunnels from LAN clients to desired VPN destinations. Illustrative network interface units include a DHCP server and provide encryption-decryption and encapsulation-decapsulation of data packets for communication with VPN nodes. Configuration and connection of a client are further enhanced by a built-in DNS server and other functional servers to provide a high degree of autonomy in establishing connections to a desired VPN gateway via an ISP or other public and/or private network links to. The interface unit then performs required authentication exchanges, and required encryption key exchanges.

Classifications:

International (IPC 8-9): G06F15/16 G06F15/17 G06F15/173

H04L12/46 H04L12/56 H04L29/06 H04L9/08

H04L9/32 (Advanced/Invention);

H04L29/08 (Advanced/Non-invention);

G06F15/16 H04L12/46 H04L29/06 (Core/Invention)

International (IPC 1-7): G06F15/16 H04L12/56 H04L9/32

CPC: H04L12/4641 H04L12/4675 H04L63/0227 H04L63/0272

H04L63/0428 H04L63/083 H04L9/0861 H04L29/06 H04L29/08072

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Y10S707/9994 H04L61/1511 H04L61/2015 H04L61/2061

H04L61/2514 H04L63/08 H04L63/20

European: H04L12/46V H04L29/06C6A H04L29/06C6B

H04L29/06C6C2 H04L63/02C H04L63/08 H04L63/08D H04L63/20

T04L12/46V3 T04L29/06C6R T04L61/15A1 T04L61/20A1 T04L61/20E T04L61/25A1B T04L63/02B T04L63/04B T04L63/08D

US: 370/229 370/230 370/231 370/310 370/328 370/329 370/331 370/335 370/351 370/389 370/392 370/400 370/401

380/255 455/403 455/405 455/406 455/407 455/412.1 455/455 455/550.1 455/557 455/558 455/73 705/1.1 705/2 705/26.1

705/26.35 705/27.1 705/35 705/37 705/38 705/39 705/40 705/41 705/44 705/50 705/51 705/64 705/75 705/80 707/609

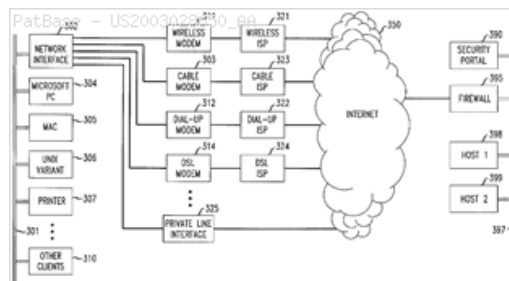
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709/202 709/203 709/204 709/205 709/206 709/207 709/208 709/209 709/210 709/211 709/217 709/218 709/219 709/220

709/223 709/224 709/225 709/225P 709/226 709/227 709/228 709/228S 709/229 709/229P 709/230 709/231 709/238

709/248 709/249 709/249S 713/151 713/153 713/201 726/1 726/10 726/11 726/12 726/13 726/15 726/2 726/26 726/3

726/4 726/7

**Family:**

Publication number	Publication date	Application number	Application date
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CA2394455 C	20070619	CA20022394455	20020722
CA2394456 AA	20030123	CA20022394456	20020722
CA2394456 C	20070612	CA20022394456	20020722
US2003028650 AA	20030206	US20010911061	20010723
US2003200321 AA	20031023	US20010910987	20010723
US2006080441 AA	20060413	US20050280931	20051116
US2013163757 AA	20130627	US20120531012	20120622
US7827278 BB	20101102	US20010910987	20010723
US7827292 BB	20101102	US20010911061	20010723
US8239531 BA	20120807	US20020244359	20020916
US8676916 BB	20140318	US20120531012	20120622

Priority:

CA20022394455 20020722	CA20022394456 20020722	US20010910987 20010723
US20010911061 20010723	US20050280931 20051116	US20020244359 20020916
US20120531012 20120622		

Probable Assignee: AT AND T CORP

Assignee(s): (std): AT AND T CORP ; AT AND T INTELLECTUAL PROPERTY I ; CHEN YIHSIU ; GOLDMAN SHELLEY B ; FOLADARE MARK J ; KILLIAN THOMAS J ; SCHRYER NORMAN L ; SCHRYER NORMAN LOREN ; KILLIAN THOMAS JOSEPH ; RUBIN AVIEL D ; BELLOVIN STEVEN MICHAEL ; LAROSE BRUCE ; STONE KEVIN ; WEBER ROY P ; AT AND T IP II LP

Assignee(s): AT AND T PROPERTIES LLC ; WEBER ROY PHILIP ; FOLADARE MARK JEFFREY ; AT AND T PROPERTIES LLC A NEVADA FORMATION ; AT AND T PROPERTIES LLC A NEVADA LTD ; AT AND T PROPERTIES LLC A NEVADA LIABILITY CO LTD ; AT AND T INTELLECTUAL PROPERTY II LP ; AT AND T INTELLECTUAL PROPERTY II LP ; AT AND T INTELLECTUAL PROPERTY II LP A NEVADA PART ; AT AND T INTELLECTUAL PROPERTY II LP A NEVADA PARTERSHIP LTD

Inventor(s): (std): BELLOVIN STEVEN MICHAEL ; CHEN YIHSIU ; FOLADARE MARK JEFFREY ; GOLDMAN SHELLEY B ; KILLIAN THOMAS JOSEPH ; LAROSE BRUCE ; RUBIN AVIEL D ; SCHRYER NORMAN LOREN ; STONE KEVIN ; WEBER ROY PHILIP ; WEBER ROY PHILLIP ; WEBER ROY P ; SCHRYER NORMAN L ; KILLIAN THOMAS J ; FOLADARE MARK J

Inventor(s): WEBER ROY ; SCHRYER NORMAN ; KILLIAN THOMAS ; GOLDMAN SHELLEY ; FOLADARE MARK

Agent(s): KIRBY EADES GALE BAKER; AT AND T CORP; HANLEY FLIGHT AND ZIMMERMAN LLC

Title: SYSTEM AND METHOD FOR MANAGING NETWORK SERVICE ACCESS AND ENROLLMENT

Abstract: Source: US2003028805A [EN] A system and method for automatically switching network connections to an appropriate network entity based on access rights possessed by a user of a wireless terminal. A switch recognizes the certificate provided by a terminal, and directs the connection to the service provider hosting a targeted secure service if the certificate proves to have the appropriate access rights. The switch directs the connection to an enrollment module if the certificate does not correspond to the service provider's required certificate, where the user can attempt to obtain the appropriate certificate from the enrollment module to ultimately access the targeted secure service.

Classifications:

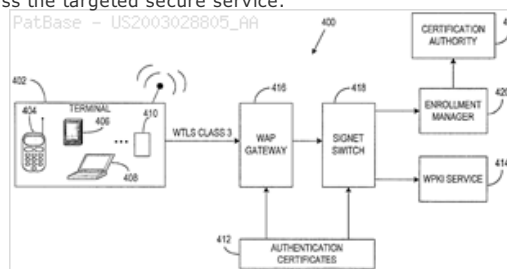
International (IPC 8-9): G06F11/30 G06F12/14 G06F15/00
G06F15/16 H04L29/06 H04L9/00 H04L9/32
H04W12/06 (Advanced/Invention);
G06F15/00 (Advanced/Non-invention);
G06F11/30 G06F12/14 G06F15/00 G06F15/16 H04L29/06 H04L9/00
H04L9/32 (Core/Invention)

International (IPC 1-7): G06F11/30 G06F12/14 G06F15/00
G06F15/173 H04L9/00 H04L9/32

CPC: H04L63/0823 H04L63/10 H04W4/00 H04W12/06 H04W12/08
H04W60/00 H04W74/00

European: H04L29/06C6C2 H04L63/08C H04W12/06
T04L29/06C6D4A T04L63/10 T04W12/08 T04W4/00 T04W60/00
T04W74/00

US: 709/229 709/229S 713/201 726/27 726/28 726/29 726/4 726/6 726/6P

**Family:**

Publication number	Publication date	Application number	Application date
AU2002319859 AA	20030224	AU20020319859	20020801
CN1332521 C	20070815	CN20028015257	20020801
CN1539216 A	20041020	CN20028015257	20020801
DE60244703 D1	20130523	DE20026044703	20020801
EP1413083 A2	20040428	EP20020749230	20020801
EP1413083 A4	20080514	EP20020749230	20020801
EP1413083 B1	20130327	EP20020749230	20020801
KR100579840 B1	20060512	KR20047001299	20020801
KR20040019375 A	20040305	KR20047001299	20020801
US2003028805 AA	20030206	US20010922440	20010803
US7114175 BB	20060926	US20010922440	20010803
WO03014860 A2	20030220	WO20021B02991	20020801
WO03014860 A3	20030605	WO20021B02991	20020801
WO03014860 C1	20040304	WO20021B02991	20020801

Priority:

EP20020749230 20020801 US20010922440 20010803 WO20021B02991 20020801

Probable Assignee: NOKIA TECHNOLOGIES OY

Assignee(s): (std): NOKA OY ; NOKIA CORP ; NOKIA INC

Assignee(s): NOKIA TECHNOLOGIES OY

Inventor(s): (std): LAEHTENMAEKI MARKKU ; LAHTENMAKI M ; M LAHTENMAKI ; LAHTENMAKI MARKKU

Inventor(s): MARKKU LAHTENMAKI

Agent(s): SAMSON AND PARTNER; HOLLINGSWORTH AND FUNK LLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Title: THIRD PARTY VPN CERTIFICATION

Abstract: Source: US2002093915A [EN] A virtual private network (VPN) over a telecommunications network is created by sending a request from a first VPN device to a second VPN device for establishing a VPN between the first and second VPN devices. The request includes a first signed certificate having a verified VPN parameter for the first VPN device. A reply is received at the first VPN device from the second VPN device that includes a second signed certificate having a verified VPN parameter for the second VPN device. The VPN is established between the first and second VPN devices based on each verified VPN parameter for each of the first and second VPN devices.

Classifications:

International (IPC 8-9): G06F15/16 G06F17/30 G06F21/00 G06F9/00 H04L12/24 H04L12/28 H04L12/50 H04L12/56 H04L12/927 H04L29/06 H04L9/00 H04L9/32 (Advanced/Invention); H04L29/06 (Advanced/Non-invention)

International (IPC 1-7): H04L12/26 H04L12/28 H04L12/50 H04L29/06

CPC: H04L63/04 H04L41/0806 H04L41/12 H04L63/0823 H04L63/0435 H04L63/12 H04L63/0272 H04L9/3263 H04L47/805 H04L63/0428 H04L2209/64 H04L63/061 H04L63/20

European: H04L29/06C6C2 H04L63/02C H04L63/08C

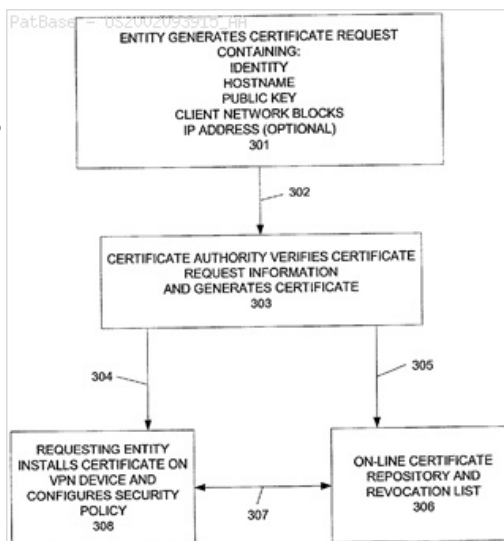
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US: 1/1 370/235 370/235P 370/252 370/252S 370/254 370/389

370/389S 370/400 370/400S 370/409 370/409S 709/203 709/203S

709/225 713/155 713/168 713/168P 713/175 726/10 726/10S

726/15 726/15P

**Family:**

Publication number	Publication date	Application number	Application date
AT536020 E	20111215	AT20020718836T	20020117
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DE60245642 D1	20131205	DE20026045642	20020117
EP1360803 A1	20031112	EP20020718836	20020117
EP1360803 A4	20050316	EP20020718836	20020117
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EP2264951 A2	20101222	EP20100012245	20020117
EP2264951 A3	20120321	EP20100012245	20020117
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US2013067087 AA	20130314	US20120620368	20120914
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US2017272255 AA	20170921	US20170614365	20170605
US7209479 BB	20070424	US20010874258	20010606
US7944915 BB	20110517	US20070840579	20070817
US7986688 BB	20110726	US20060532002	20060914
US8571025 BB	20131029	US20110110509	20110518
US8761168 BB	20140624	US20110110353	20110518
US8780905 BB	20140715	US20120620358	20120914
US8780906 BB	20140715	US20120620368	20120914
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US9673988 BB	20170606	US20150827243	20150814
US9954686 BB	20180424	US20170614365	20170605
WO02058339 A1	20020725	WO2002US01070	20020117

Priority:

EP20020718836	20020117	EP20100012245	20020117	US20010262036	20010118
US20010262036P	20010118	EP20100012248	20020117	US20010262035P	20010118
US20070840579	20070817	US20110110509	20110518	US20120620358	20120914
US20120620368	20120914	US20110110353	20110518	US20060532002	20060914
US20010874258	20010606	US20140294476	20140603	WO2002US01070	20020117
US20150827243	20150814	US20170614365	20170605		

Probable Assignee: VIRNETX INC

Assignee(s): (std): LARSON VICTOR ; SCIENCE APPLIC INT CORP ; VIRNETX INC ; VIRTNETX INC

Assignee(s): VIRNETX INC ZEPHYR COVE ; ANDEBOH HOLDINGS FLP ; SCIENCE APPLICATION INT CORP ; SCIENCE APPLICATIONS INT ; SCIENCE APPLICATIONS INT CORP ; VIMETX INC

Inventor(s): (std): LARSON VICTOR
Inventor(s): LARSON VICTOR FAIRFAX
Agent(s): PATENTANWAELTE EINSEL AND KOLLEGEN; BETTEN AND RESCH PATENT U RECHTSANWAELTE
PARTGMBB; BENECH FREDERIC; VENNER SHIPLEY LLP; BANNER AND WITCOFF; MCDERMOTT WILL AND
EMERY LLP; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK
DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IN IS IT JP KE KG KP KR KZ
LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD
SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Title: DOMAIN NAME SYSTEM RESOLUTION

Abstract: Source: US200304109A [EN] A host name query is received by a modem from a client computer. The host name query is simultaneously transmitted from the modem to a plurality of Domain Name System (DNS) servers. A response is returned to the client computer from the modem, where the response is based on the host name query and any responses received from the DNS servers. In a preferred embodiment at least one address associated with the host name query is acquired from the DNS servers. The client computer then sends a request for content to the address. If more than one address is returned, all but one of the addresses is eliminated. This can be done by rejecting all but the most recent address, or rejecting all addresses not provided by a service provider DNS server. (132 words)

Classifications:

International (IPC 8-9): G06F15/16 H04L29/06

H04L29/12 (Advanced/Invention);

G06F15/16 H04L29/06 H04L29/12 (Core/Invention)

International (IPC 1-7): G06F15/16

CPC: H04L29/12066 H04L61/1511 H04L63/0272 H04L63/0823

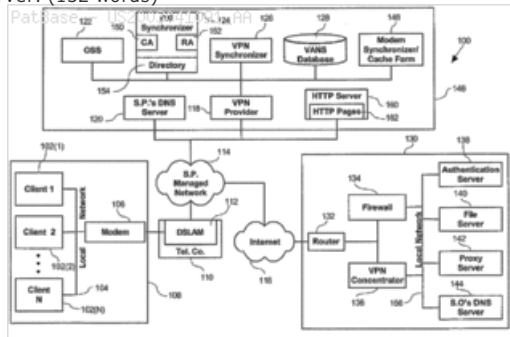
H04L63/0838

European: H04L29/06C6B H04L29/06C6C H04L29/06C6C2

H04L29/12A H04L29/12A2A1 H04L61/15A1 H04L63/02C H04L63/08C

T04L29/06C6D4A T04L29/06C6R T04L29/12A2 T04L63/08D1

US: 709/200 709/200P 709/245 709/245P



Family:

Publication number	Publication date	Application number	Application date
US2003041091 AA	20030227	US20010938430	20010823
US2006271707 AA	20061130	US20060474573	20060626
US7099957 BB	20060829	US20010938430	20010823

Priority:

US20010938430 20010823 US20060474573 20060626

Probable Assignee: HUGHES ELECTRONICS CORP

Assignee(s): (std): CHELINE DOUGLAS A ; CHONG LESTER J ; DIRECTTV GROUP INC ; HUGHES ELECTRONICS CORP ; MA MICHAEL ; ZHANG YE

Inventor(s): (std): CHELINE DOUGLAS A ; CHONG LESTER J ; MA MICHAEL ; ZHANG YE

Inventor(s): CHONG LESTER ; CHELINE DOUGLAS

Agent(s): THE DIRECTV GROUP INC; DIRECTV GROUP INC; GEORGANN S

Title: AUTOMATED CONFIGURATION OF A VIRTUAL PRIVATE NETWORK

Abstract: Source: US2003041136A [EN] Data is received by a service provider that is indicative of a selected server-side system and a selected client-side system between which a VPN is to be established. Security settings are then automatically determined for the client-side system based at least partially on the data. The security settings are preferably public and private keys and/or a Digital Certificate. VPN configuration details, including the security settings, are then automatically transmitted to the client-side system. The client side system then uses the configuration details to automatically configure itself to establish a secure VPN tunnel between the server-side system and itself. VPN configuration details may also be automatically transmitted to a VPN concentrator within the server-side system. A Virtual Private Network tunnel is subsequently established between the client-side system and the server-side system, and the tunnel's operation verified. A computer program product for configuring a VPN system is also provided. (147 words)

Classifications:

International (IPC 8-9): G06F15/16 H04L29/06

H04L29/08 (Advanced/Invention);

H04L29/08 (Advanced/Non-invention);

G06F15/16 H04L29/06 H04L29/08 (Core/Invention);

H04L29/08 (Core/Non-invention)

International (IPC 1-7): G06F15/173 H04L9/00

CPC: H04L67/14 H04L67/34 H04L69/329 H04L63/0272 H04L29/06

H04L63/0823 H04L63/0838 H04L63/102 H04L63/18 H04L63/20

European: H04L29/06 H04L29/06C6B H04L29/08N13 H04L29/08N33

H04L63/02C T04L29/06C6D4A T04L29/06C6M T04L29/06C6R

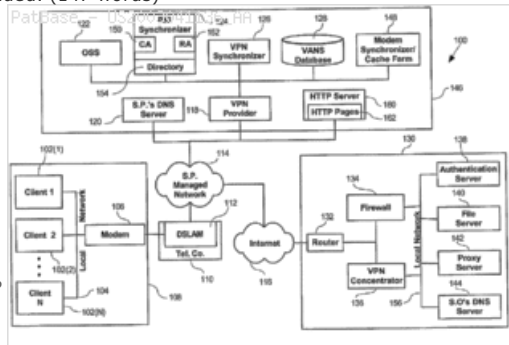
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T04L63/20

US: 370/252 379/93.01 709/22 709/220 709/220S 709/223 709

713/201 726/15 726/15S

7/15/201 7/20/15 7/20/155



Family:

Publication number	Publication date	Application number	Application date
US2003041136 AA	20030227	US20010938443	20010823
US7197550 BB	20070327	US20010938443	20010823

Priority:

US20010938443 20010823

Probable Assignee: HUGHES ELECTRONICS CORP

Assignee(s): (std): DIRECTV GROUP INC ; HUGHES ELECTRONICS CORP

Inventor(s): (std): ZHANG YE ; MA MICHAEL ; CHONG LESTER J ; CHELINE DOUGLAS A

Agent(s): GEORGANN S

Title: USING PERMISSIONS TO ALLOCATE DEVICE RESOURCES TO AN APPLICATION

Abstract: Source: US2003051169A [EN] Resources to a device are granted access to an application based on privileges associated with the application. A permission list may be created by a server. The permission list may be created using information from authorities, entities, or parties and information about the device resources. The permission list indicates what device resources the application may access. During application execution when the application requests a resource, a control program executing on the device may be used to check the permission list associated with the application to determine if the application may access the resource. The control program can then grant or deny access based on the privileges defined in the permission list. Digital signatures may be used to detect modifications to the application and/or permission list. In addition, multiple permission lists may be associated with the same application.

Classifications:

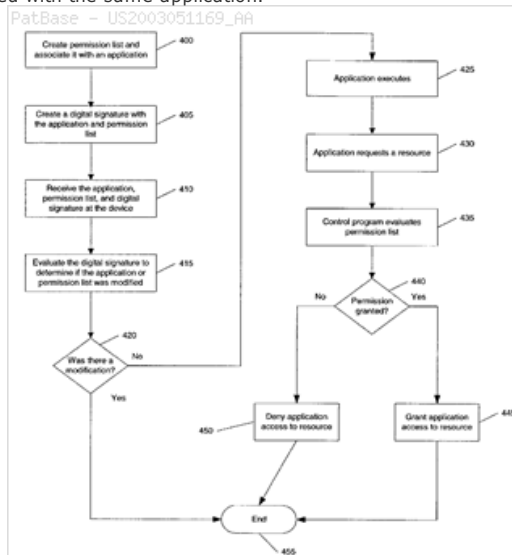
International (IPC 8-9): G06F15/177 G06F17/00 G06F21/00 G06F21/20 G06F21/22 G06F7/04 G06F9/46 G06K9/00 H04K9/00 H04L9/32 (Advanced/Invention); G06F15/177 H04L12/28 (Advanced/Non-invention); G06F15/16 (Core/Invention)

International (IPC 1-7): G06F1/00 G06F15/00 G06F15/177 G06F17/00 G06F17/60 G06F21/00 H04L9/00

CPC: H04L63/101 H04L63/12 G06F21/53 G06F9/468 G06F21/54 H04W12/06 H04W12/08

European: G06F21/53 G06F21/54 G06F9/46V T04W12/06 T04W12/08 T04W212/06 T04W272/04 T04W274/00 T04W36/04 T04W36/08 T04W6/06

US: 380/249 713/170 713/185 713/185S 713/193 713/194 713/201 726/2 726/27 726/28 726/29 726/3 726/4 726/4P 726/5 726/6 726/7

**Family:**

Publication number	Publication date	Application number	Application date
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AU2002326629 AA	20030318	AU20020326629	20020813
BRPI0211884 A	20040921	BR2002P111884	20020813
CA2457357 AA	20040212	CA20022457357	20020813
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CN1556959 A	20041222	CN20028018504	20020813
EP1417588 A1	20040512	EP20020761353	20020813
EP1417588 A4	20080109	EP20020761353	20020813
HK1070158 A3	20050610	HK20050102745	20050401
IL160341 A0	20040725	IL20020160341	20020813
IN00307CN2004 A	20051223	IN2004CN00307	20040213
IN232202 B	20090327	IN2004CN00307	20040213
JP2005502128 T2	20050120	JP20030525489T	20020813
JP4351046 B2	20091028	JP20030525489T	20020813
KR100607423 B1	20060801	KR20037002152	20020815
KR20040015703 A	20040219	KR20037002152	20020815
MXPA04001386 A1	20040603	MX2004PA01386	20020813
NZ531131 A	20051223	NZ20020531131	20020813
PE03772003 A1	20030412	PE20020000728	20020813
RU2004107491 A	20050920	RU20040107491	20020813
RU2307390 C2	20070927	RU20040107491	20020813
TWI281107 B	20070511	TW20020118210	20020813
US2003051169 AA	20030313	US20020218321	20020813
US7743407 BB	20100622	US20020218321	20020813
WO03021467 A1	20030313	WO2002US25746	20020813

Priority:

US20010312146P 20010813 US20020218321 20020813 WO2002US25746 20020815
 WO2002US25746 20020813

Probable Assignee: QUALCOMM INC A DELAWARE CORP

Assignee(s): (std): LUNDBLADE LAURENCE ; QUALCOMM INC ; SPRIGG STEPHEN A

Assignee(s): KVEHLKOMM INKORPOREJTED ; QUALCOMM INC A DELAWARE CORP

Inventor(s): (std): LUNDBLADE LAURENCE ; SPRIGG STEFEN A ; LANDBLEHJD LORENS ; LAURENCE LUNDBLADE ; SPRIGG STEPHEN A ; STEPHEN A SPRIGG

Inventor(s): LUNDBLADE LAURENCE ; SPRIGG STEPHEN

Agent(s): MADDERNS PATENT AND TRADE MARK ATTORNEYS; SMART AND BIGGAR; JOHANSSON; ROBERT J; JAMES T

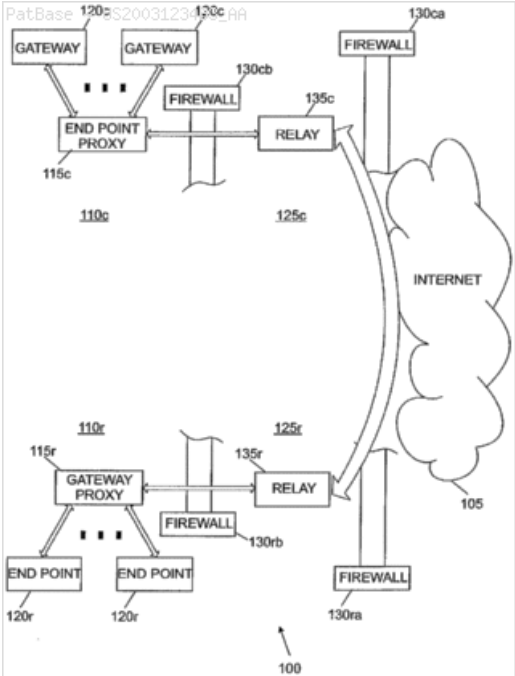
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Title: METHOD AND SYSTEM FOR TRANSMITTING INFORMATION ACROSS FIREWALLS

Abstract: Source: US2003123483A [EN] A method and a corresponding system for transmitting information across a plurality of firewalls (particularly in a multi-segmented DMZ) are disclosed. The proposed solution provides a layered communication stack. A connection manager (210) manages the actual transfer of data through a single point-to-point connection crossing a respective firewall. A sessions manager (220) multiplexes multiple sessions over the connection. A routing manager (225) exploits the sessions manager for building a routing table dynamically. A routed sessions manager (235) implements routed sessions between two applications at opposite ends of the system; the routed sessions manager exploits the sessions manager to let the data navigate through the firewalls, and it exploits the routing manager to address the data correctly from source to destination.

Classifications:

International (IPC 8-9): G06F15/16 G06F17/00 G06F21/00 G06F21/22 G06F9/00 H04L12/747 H04L29/06 H04L29/08 H04L9/00 H04L9/08 H04L9/30 (Advanced/Invention); H04L29/08 (Advanced/Non-invention); G06F15/16 G06F21/00 H04L29/06 H04L29/08 H04L9/00 H04L9/08 H04L9/28 (Core/Invention); H04L29/08 (Core/Non-invention)
International (IPC 1-7): G06F11/30 G06F12/14 G06F15/16 H04J3/22 H04L9/00 H04L9/32
CPC: H04L67/14 H04L69/329 H04L63/0218 H04L29/06 H04L45/742
European: H04L29/06 H04L29/06C6A H04L29/08N13 H04L29/08N27 H04L45/742 H04L63/02A1 T04L29/06C6M T04L29/08A7
US: 370/469 380/259 380/278 380/278P 709/217 709/217P 709/227 709/229 709/229P 709/238 713/201 726/11 726/12 726/12S 726/13 726/3 726/6



Family:

Publication number	Publication date	Application number	Application date
US2003123483 AA	20030703	US20020285999	20021031
US2003126230 AA	20030703	US20020290416	20021107
US2008130897 AA	20080605	US20070877352	20071023
US2009187667 AA	20090723	US20090389729	20090220
US7316028 BB	20080101	US20020290416	20021107
US7506058 BB	20090317	US20020285999	20021031
US7899914 BB	20110301	US20090389729	20090220
US8006296 BB	20110823	US20070877352	20071023

Priority:

EP20010480148 20011221 EP20010480154 20011228 US20020285999 20021031
US20070877352 20071023 US20090389729 20090220 US20020290416 20021107

Probable Assignee: ARUBA NETWORKS INC

Assignee(s): (std): IBM

Assignee(s): INT BUSINESS MACHINES CORP ; ARUBA NETWORKS INC ; HEWLETT PACKARD DEVELOPMENT CO LP

Inventor(s): (std): LERRO MARCO ; DONATELLI ALEX

Agent(s): IBM CORP YA C O YEE AND ASSOCIATES PC; IBM CORP WIP C O WALDER INTELLECTUAL PROPERTY LAW PC; YEE DUKE W; LABAW JEFFREY S; GLANZMAN GERALD H; JEFFREY S; GERALD H; DUKE W; TKACS STEPHEN R; WALDER JR STEPHEN J; STEPHEN J; STEPHEN R; YEE AND ASSOCIATES PC

Title: VIRTUAL PRIVATE NETWORK AND TUNNEL GATEWAY WITH MULTIPLE OVERLAPPING, REMOTE SUBNETS

Abstract: Source: US2003145104A [EN] Local gateway support for multiple overlapping remote networks. The local gateway includes a pool of unique, internally routable system-wide addresses, an address bind table, a filter rules table, and a collection of security association databases. A plurality of overlapping connections are received at the local gateway from remote networks, each including an inbound packet having a source IP address. For each connection, the source IP address is bound with an address from the address pool in a bind table. Outbound packets are processed through the bind table to determine the destination IP address corresponding to a correct one of the plurality of overlapping connections.

Classifications:

International (IPC 8-9): H04L12/28 H04L12/46 H04L12/56 H04L29/06
H04L29/12 (Advanced/Invention);

H04L29/06 (Advanced/Non-invention);

H04L12/46 H04L12/56 H04L29/06 H04L29/12 (Core/Invention);

H04L29/06 (Core/Non-invention)

International (IPC 1-7): G06F15/173

CPC: H04L12/4641 H04L29/12009 H04L29/12424 H04L29/12509

H04L61/2535 H04L61/2567 H04L63/0227 H04L63/0272

European: H04L12/46V H04L29/06C6A H04L29/12A

H04L29/12A4A2D H04L29/12A4A8B H04L61/00 H04L61/25A2D

H04L61/25A8B H04L63/02C T04L29/06C6R T04L63/02B

US: 370/389 370/392 370/392P 370/401 370/401S 709/223 709/229
709/229S 709/238 709/238P

PatBase - US2003145104_HH

Patent Application Publication Jul. 31, 2003 Sheet 1 of 11 US 2003/0145104 A1

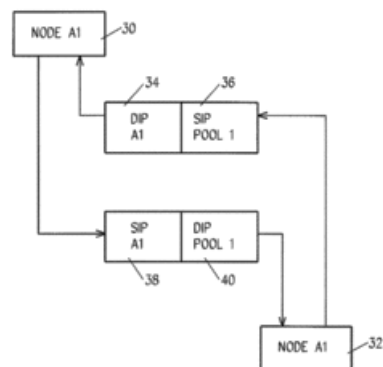


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
US2003145104 AA	20030731	US20020055690	20020123
US2007097977 AA	20070503	US20060493887	20060726
US7099319 BB	20060829	US20020055690	20020123
US7751391 BB	20100706	US20060493887	20060726

Priority:

US20020055690 20020123 US20060493887 20060726

Probable Assignee: TREND MICRO INC

Assignee(s): (std): IBM

Assignee(s): INT BUSINESS MACHINE CORP ; INT BUSINESS MACHINES CORP ; TREND MICRO INC

Inventor(s): (std): BODEN EDWARD B ; PALERMO DONALD A

Inventor(s): PALERMO DONALD ; BODEN EDWARD

Agent(s): SHELLEY M BECKSTRAND; SHELLEY M; ROY W

Title: INTEGRATED INTRUSION DETECTION SERVICES

Abstract: Source: US2003145226A [EN] Improvements in intrusion detection are disclosed by providing integrated intrusion detection services. Preferably, these services are integrated into a system or server that is the potential target of attack. Stack-based security processing is leveraged for access to cleartext data within the layers of the protocol stack. Layer-specific attacks may therefore be processed efficiently. Evaluation of incoming traffic for an intrusion is preferably performed only after an error condition of some type has been detected. This approach reduces the overhead of intrusion detection by reducing the number of packets to be inspected, and at the same time allows more efficient packet inspection through use of context-specific information that may be used to direct the inspection to particular candidate attacks. Generic attack class capability is also disclosed. Intrusion detection policy information may be used to direct the actions to be taken upon detecting an attack.

Classifications:**International (IPC 8-9):** G06F11/00 H04L29/06

H04L9/00 (Advanced/Invention);

H04L29/06 (Core/Invention)

International (IPC 1-7): G06F11/30**CPC:** H04L63/0263 H04L63/1408**European:** H04L29/06C6H H04L29/06S2B6 H04L63/02B6

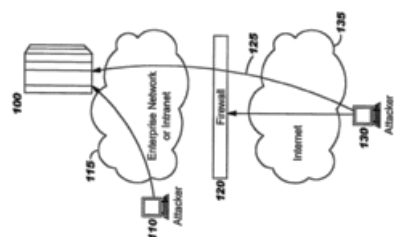
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US: 709/224 709/224S 713/164 713/166 713/201 714/25 714/43

714/48 726/22 726/22P 726/23 726/24 726/25

PatBase - US2003145226_AA

Patent Application Publication Jul. 31, 2003 Sheet 1 of 19 US 2003/0145226 A1

FIG. 1
(Prior Art)**Family:**

Publication number	Publication date	Application number	Application date
■ US2003145226 AA	20030731	US20020058870	20020128
■ US7076803 BB	20060711	US20020058870	20020128

Priority:

US20020058870 20020128

Probable Assignee: TREND MICRO INC**Assignee(s):** (std): IBM**Assignee(s):** INT BUSINESS MACHINES CORP ; TREND MICRO INC**Inventor(s):** (std): BRUTON DAVID ARO ; BRUTON III DAVID ARO ; JAKUBIK PATRICIA ; LIVECCHI PATRICK MICHAEL ; OVERBY JR LINWOOD HUGH ; OVERBY LINWOOD HUGH**Inventor(s):** OVERBY ; JR LINWOOD HUGH ; III DAVID ARO ; BRUTON**Agent(s):** STEPHEN A; DAVID K; MYERS BIGEL SIBLEY AND SAJOVEC

Title: METHOD AND SYSTEM FOR ENABLING CONNECTIONS INTO NETWORKS WITH LOCAL ADDRESS REALMS

Abstract: Source: US2005223095A [EN] The invention generally concerns the issue of providing connectivity between two different address realms, generally referred to as an inside realm and an outside realm, by establishing connections through an intermediate gateway. The gateway normally has a number of outside-realm gateway addresses for enabling representation of inside-realm nodes in the outside realm. In a first aspect, support for flexible outside-realm initiated connections is enabled by dynamically establishing new gateway connection states triggered, for each new connection, by a respective user-resource identifier query initiated from a corresponding outside node. In a second aspect of the invention, intelligent use of predetermined connection information in the process of setting up new gateway connection states makes it possible to significantly increase the number of connections that can be simultaneously supported by the gateway using a limited number of outside-realm addresses.

Classifications:

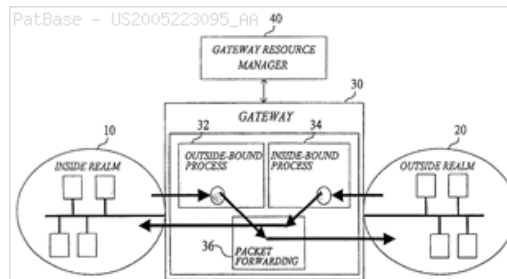
International (IPC 8-9): G06F15/16 G06F15/173 H04L12/46
H04L12/56 H04L12/66 H04L29/06 H04L29/12 (Advanced/Invention)

International (IPC 1-7): G06F15/173 H04L12/46 H04L12/56
H04L12/66 H04L29/06 H04L29/12

CPC: H04L67/42 H04L29/12509 H04L29/12066 H04L29/12537
H04L29/12547 H04L61/1511 H04L61/2567 H04L61/2578
H04L61/2582

European: H04L29/06C8 H04L29/12A2A1 H04L29/12A4A8B
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H04L61/25A8E H04L61/25A8F T04L29/12A2

US: 709/223 709/225 709/225P 709/245



Family:

Publication number	Publication date	Application number	Application date
AU2003230768 AA	20031027	AU20030230768	20030328
CN101795303 A	20100804	CN201010118736	20030328
CN101795303 B	20120801	CN201010118736	20030328
CN1647489 A	20050727	CN20038007847	20030328
DE10392494 B4	20140130	DE20031092494	20030328
DE10392494 T5	20050217	DE20031092494T	20030328
GB200421206 A0	20041027	GB20040021206	20030328
GB2402586 A1	20041208	GB20040021206	20030328
GB2402586 B2	20051221	GB20040021206	20030328
HK1081353 A3	20060512	HK20060101139	20060125
IN02970DN2004 A	20091113	IN2004DN02970	20040930
IN264208 B	20141219	IN2004DN02970	20040930
JP2005522949 T2	20050728	JP20030585405T	20030328
JP4303600 B2	20090729	JP20030585405T	20030328
US2005223095 AA	20051006	US20030510546	20030328
US7533164 BB	20090512	US20030510546	20030328
WO03088625 A1	20031023	WO2003US09834	20030328

Priority:

US20020370812P 20020408
WO2003US09834 20030328

US20030510546 20030328

US20050510546 20050425

Probable Assignee: TELEFONAKTIEBOLAGET LM ERICSSON PUBL

Assignee(s): (std): CHAMBERT GEORGE ; ERICSSON TELEFON AB L M ; ERICSSON TELEFON AB LM ; ERICSSON TELEFON L M AB ; ISMAILOV YURI ; KORLING MARTIN ; VOLZ BERNIE ; LANDFELDT BJORN ; TELEFONAKTIEBOLAGET LM ERICSSON

Assignee(s): TELEFONAKTIEBOLAGET LM ERICSSON PUBL STOCKHOLM ; TELEFONAKTIEBOLAGET L M ERICSSON PUBL ; TELEFONAKTIEBOLAGET LM ERICSSON PUBL ; TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) ; TELEFONAKTIEBOLAGET L M ERICSSON

Inventor(s): (std): CHAMBERT GEORGE ; GEORGE CHAMBERT ; ISMAILOV YURI ; KORLING MARTIN ; LANDFELDT BJOERN ; LANDFELDT BJORN ; MARTIN KORLING ; VOLZ BERNIE ; YURI ISMAILOV ; BERNIE VOLZ ; BJORN LANDFELDT

Inventor(s): CHAMBERT GEORG ; BJOERN LANDFELDT

Agent(s): ERICSSON INC ; NIXON AND VANDERHYE PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: METHOD FOR AUTHENTICATING A USER TO A SERVICE OF A SERVICE PROVIDER

Abstract: Source: US2006053296A [EN] Methods, devices, and computer programs for an authentication of a user to a service of a service provider (SP) are disclosed. Access for the user to the service of the service provider (SP) is requested. One or more authentication security profiles are selected by the service provider SP for specifying an authentication security requirement of the service provider (SP) for the authentication of the user to the service. An indication of the one or more selected authentication security profiles and a user identity identifying the user to an identity provider (IdP1) are sent from the service provider (SP) to the identity provider (IdP1) for requesting the authentication of the user by the identity provider (IdP1). The user is authenticated based on the user identity and one of the one or more selected authentication security profiles. An assertion indicating the authentication of the user to the service provider (SP) is sent to the service provider (SP).

Classifications:

International (IPC 8-9): G06F1/00 G06F15/00 G06F21/20 G09C1/00 H04L29/06 H04L9/00 H04L9/32 (Advanced/Invention); G06F1/00 G06F15/00 H04L29/06 (Advanced/Non-invention)

International (IPC 1-7): G06F1/00 G06F15/00 G09C1/00 H04L29/06

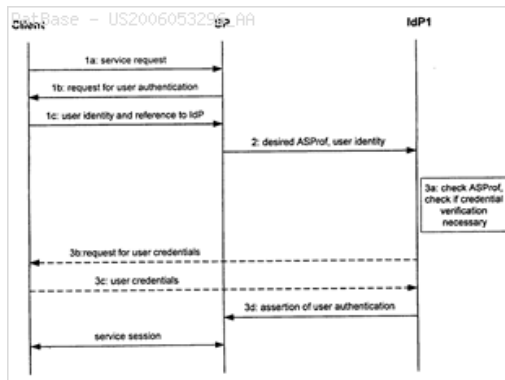
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T04L29/06C6M

US: 713/182 713/182P 726/4 726/4S 726/7



Family:

Publication number	Publication date	Application number	Application date
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AU2003245887 AH	20031212	AU20030245887	20030523
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CN1656773 B	20100428	CN20038011865	20030523
DE60314871 D1	20070823	DE20036014871	20030523
DE60314871 T2	20080313	DE20036014871T	20030523
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JP4668610 B2	20110413	JP20040507932T	20030523
KR100989487 B1	20101022	KR20047018941	20030523
KR20040105259 A	20041214	KR20047018941	20030523
US2006053296 AA	20060309	US20030513212	20030523
US2014101743 AA	20140410	US20130059966	20131022
WO03100544 A2	20031204	WO2003EP05421	20030523
WO03100544 A3	20040311	WO2003EP05421	20030523

Priority:

EP20020011440 20020524 EP20030737969 20030523 US20050513212 20050318
US20130059966 20131022 WO2003EP05421 20030523

Probable Assignee: TELEFONAKTIEBOLAGET LM ERICSSON PUBL

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Assignee(s): TELEFONAKTIEBOLAGET LM ERICSSON PUBL ; TELEFONAKTIEBOLAGET LM ERICSSON ; TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) ; TELEFONAKTIEBOLAGET L M ERICSSON PUBL

Inventor(s): (std): BUSBOOM AXEL ; HOLTMANN'S SILKE ; QUINET RAPHAEL ; SCHUBA MARKO ; SILKE HOLTMANN'S ; RAPHAEL QUINET ; MARKO SCHUBA ; AXEL BUSBOOM

Agent(s): ERICSSON INC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SECURED SYSTEM FOR ACCESSING APPLICATION SERVICES FROM A REMOTE STATION

Abstract: Source: US2002169878A [EN] A secured system for accessing application services from at least one application program where at least one client station having low-level application independent logics stored therein and at least one controller for controlling the low-level application independent logics, the low-level application logics including a user interface logic, a device control logic for controlling devices, a file system logic, and a communication interface logic, and wherein at least one client station has means to restrict access to said application independent logics, at least one application server having high-level application logic stored in a server device for running at least one application program, the server device being coupled to said at least one application server and low-level interface between said at least one client station and said at least one server for connecting said at least one client station to said at least one application server, wherein upon accessing by said at least one client station, said at least one application server runs at least one application program which selectively controls said low-level application independent logics for controlling devices of said at least one client station and accessing data of said at least one client station without permanently storing said at least one client station data in said at least one server. There is also a description of a secure operating system and method and a secured system and method of construction of a computer system as well as description of system and method of how to preserve a running current state of an application program for security and relocation purpose.

Classifications:

International (IPC 8-9): G06F1/00 G06F12/14 G06F15/163 G06F15/80 G06F21/00 G06F3/14 G06F9/00 G06F9/46 G06F9/50 H04L29/06 H04L29/08 (Advanced/Invention);

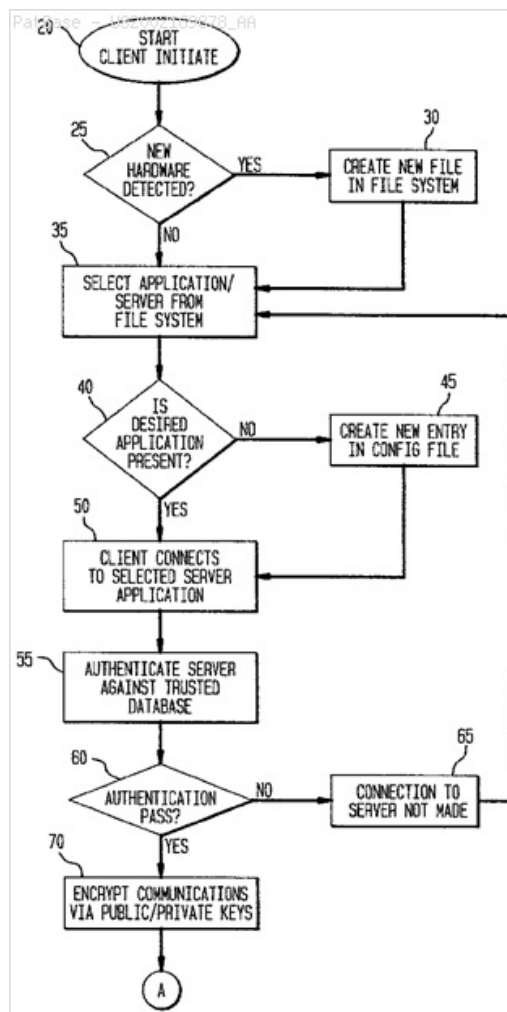
G06F1/00 G06F21/00 H04L29/06 H04L29/08 (Core/Invention)

International (IPC 1-7): G01F11/00 G06F G06F11/00 G06F12/14 G06F15/16 G06F15/163 G06F15/80 G06F19/00 G06F3/14 G06F9/00 G06F9/44 G06F9/46 G06F9/54 H04L

CPC: H04L67/08 H04L67/42 H04L69/329 H04L63/10 G06F21/6218 G06F9/5055 H04L29/06 H04L63/105

European: G06F1/00N7R2 G06F21/62B H04L29/06C6C H04L29/06C6D H04L63/10 T04L29/06C8 T04L29/08A7 T04L29/08N7

US: 395/187.01 395/200.33 395/200.59 709/203 709/219 709/219S 709/227 709/227P 709/229 713/201 719/310 719/310P 726/3 726/4

**Family:**

Publication number	Publication date	Application number	Application date
AU199857938 A1	19980715	AU19980057938	19971209
AU200040415 A1	20001114	AU20000040415	20000328
AU200040415 A5	20001114	AU20000040415	20000328
AU739561 B2	20011018	AU19980057938	19971209
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EP1099154 A4	20060531	EP20000919791	20000328
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US5889942 A	19990330	US19960769493	19961218
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WO0062459 A2	20001019	WO2000US08297	20000328
WO0062459 A3	20010215	WO2000US08297	20000328
WO9827501 A1	19980625	WO1997US22579	19971209

Priority:

US19960769493 19961218	US19990280264 19990329	US20020124051 20020417
US20020124124 20020417	WO2000US08297 20000328	WO1997US22579 19971209

Probable Assignee: ORENSHTEYN ALEXANDER S

Assignee(s): (std): ORENSHTEYN ALEXANDER S

Assignee(s): ALEXANDER S ORENSHTEYN

Inventor(s): (std): ORENSHTEYN ALEXANDER S

Inventor(s): ALEXANDER S ORENSHTEYN

Agent(s): APT PATENT AND TRADE MARK ATTORNEYS

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES
FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU
LV MA MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: CERTIFICATE VALIDATION METHOD AND APPARATUS THEREOF

Abstract: Source: US2003237004A [EN] Virtual Private Network (VPN) client 1 and M access gateways 3, 4 and 5 each possess a public key cryptography key pair (i.e., a private key and a public key). If VPN client 1 sends Public Key Infrastructure (PKI) compliant signature based authentication information to an access gateway 3, 4 or 5, the access gateway does not itself verify this authentication information. Instead, it entrusts this processing to an authentication server 8, 9 or 10 and receives the verification result, via authentication server proxy 7. Conversely, generation of PKI compliant signature based authentication information to be sent from an access gateway to a VPN client is carried out by the access gateway alone. The access gateway and the authentication server thus together implement PKI support but have the functions required for such support apportioned between them.

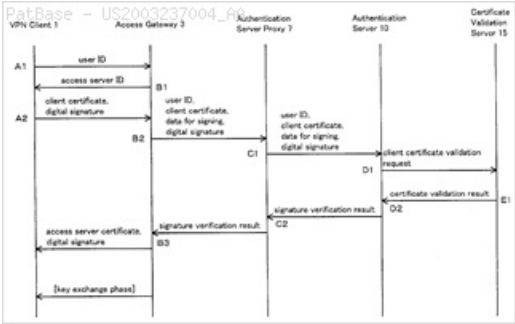
Classifications:

International (ipc 8-9): G06F21/20 G09C1/00 H04L29/06 H04L9/32 (Advanced/Invention); G06F21/00 G06F21/20 G09C1/00 H04L29/06 H04L9/32 (Core/Invention)

International (ipc 1-7): G06F15/00 G09C1/00 H04L9/00 H04L9/32 **CPC:** H04L63/0272 H04L63/0823

European: H04L29/06C6A H04L29/06C6C2 H04L29/06S2C H04L63/02C H04L63/08C T04L29/06C6D4A

US: 713/150 713/150S 713/175 713/175S 713/176 713/176S 713/201 726/15 726/15P



Family:

Publication number	Publication date	Application number	Application date
JP2004032311 A2	20040129	JP20020185022	20020625
JP4304362 B2	20090729	JP20020185022	20020625
US2003237004 AA	20031225	US20030465320	20030618

Priority:

JP20020185022 20020625

Probable Assignee:

NEC CORP

Assignee(s): (std):

NEC CORP

Inventor(s): (std):

OKAMURA MITSUKO ; OKAMURA MINE

Title: REMOTE ACCESS SYSTEM, REMOTE ACCESS METHOD, AND REMOTE ACCESS PROGRAM

Abstract: Source: US2004078573A [EN] A remote access system includes target units to be accessed, a home gateway serving as an entrance of a home network to which the target units belong, and a portable unit carried by the user to access the target units. When the portable unit sends and presents an attribute certificate in which at least privilege with regard to a resource and information of the home gateway are described, to the target units through the home gateway, an access made by the portable unit to the resource is checked.

Classifications:

International (IPC 8-9): G06F21/20 H04L12/28 H04L29/06 H04L9/32 (Advanced/Invention);

G06F21/00 G06F21/20 H04L12/28 H04L29/06

H04L9/32 (Core/Invention)

International (IPC 1-7): G06F15/00 G06F15/16 H04L29/06 H04L9/00 H04L9/32

CPC: H04L12/2803 H04L12/2818 H04L63/061 H04L63/0823 H04L63/0869

European: H04L12/28H H04L29/06C6B H04L63/06A H04L63/08C H04L63/08G T04L12/28H T04L12/28H3A T04L29/06C6D4A

US: 709/229 709/229S 713/175 713/175P

PatBase - US2004078573_AA

Patent Application Publication Apr. 22, 2004 Sheet 1 of 20 US 2004/0078573 A1

FIG. 1

ITEM	DESCRIPTION
Version 1	
version	VERSION OF FORMAT OF CERTIFICATE
serial Number	SERIAL NUMBER OF CERTIFICATE SPECIFIED BY CERTIFICATION AUTHORITY
signature algorithm identifier algorithm parameters	SIGNATURE ALGORITHM AND ITS PARAMETERS OF CERTIFICATE
issuer	NAME OF CERTIFICATION AUTHORITY (IN DISTINGUISHED NAME FORMAT)
validity not Before not After	EFFECTIVE PERIOD OF CERTIFICATE START DATE END DATE
subject	NAME FOR IDENTIFYING USER
subject Public Key Info algorithm subject Public key	PUBLIC-KEY INFORMATION OF USER KEY ALGORITHM KEY INFORMATION
Version 3	
authority Key Identifier key Identifier authority Cert Issuer	FOR IDENTIFYING KEY USED FOR VERIFYING SIGNATURE OF CERTIFICATION AUTHORITY KEY IDENTIFICATION NUMBER (IN OCTAL) NAME OF CERTIFICATION AUTHORITY (IN GENERAL NAME FORMAT) AUTHENTICATION NUMBER
subject key Identifier	IDENTIFIER OF EACH KEY, USED WHEN PLURALITY OF KEYS ARE CERTIFIED
key usage (0)digital Signature (1)non Repudiation (2)key Encipherment (3)data Encipherment (4)key Agreement (5)key Cert Sign (6)CRL Sign (7)encipher Only (8)decipher Only	FOR SPECIFYING USE OBJECTIVE OF KEY (0) FOR DIGITAL SIGNATURE (1) FOR REPUDIATION PREVENTION (2) FOR ENCRYPTING KEY (3) FOR ENCRYPTING MESSAGE (4) FOR DISTRIBUTING COMMON KEY (5) FOR VERIFYING SIGNATURE IN AUTHENTICATION (6) FOR VERIFYING SIGNATURE IN INVALIDITY LIST (7) ONLY FOR ENCRYPTING DATA WHEN KEY IS CHANGED (8) ONLY FOR DECRYPTING DATA WHEN KEY IS CHANGED
private Key Usage Period not Before not After	EFFECTIVE PERIOD OF PRIVATE KEY HELD BY USER

Family:

Publication number	Publication date	Application number	Application date
EP1381201 A2	20040114	EP20030015192	20030704
JP2004046430 A2	20040212	JP20020201472	20020710
JP4129783 B2	20080806	JP20020201472	20020710
US2004078573 AA	20040422	US20030617069	20030710

Priority:

JP20020201472 20020710

Probable Assignee: SONY CORP

Assignee(s): (std): SONY CORP

Assignee(s): MATSUYAMA SHINAKO

Inventor(s): (std): MATSUYAMA SHINAKO

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Title: SECURE RESOURCE ACCESS

Abstract: Source: US2004073666A [EN] A method and system for enabling a user to authorize a client, acting under the directed of a first resource, to access a second resource. Before the client accesses the second resource, client programming, that is autonomous of the first and second resources, redirects the client to an authorization service that is also autonomous of the first and second resources. The authorization service authenticates the user, identifies policy data, if any, associated with the user and the first resource, and then returns to the client an interface generated according to the identified policy data, if any, enabling the user to grant or deny authorization. Where policy data does not exist, the authorization service returns an interface to the client enabling the user to set policy data.

Classifications:**International (IPC 8-9):** G06F13/368 G06F9/44

H04L29/06 (Advanced/Invention);

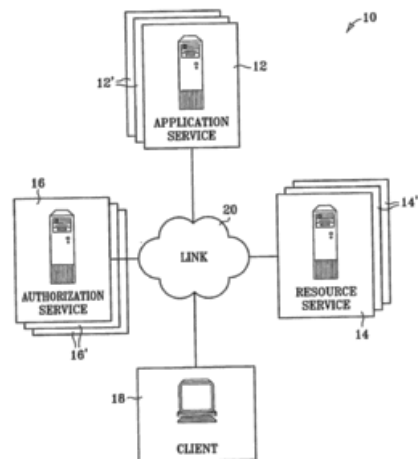
G06F13/38 (Advanced/Non-invention);

H04L29/06 (Core/Invention)

International (IPC 1-7): G06F15/173**CPC:** H04L63/08 H04L63/102**European:** H04L29/06C6C2 H04L29/06S8 H04L63/08 H04L63/10B**US:** 709/225 709/225P 726/21 726/28 726/29 726/30

PatBase - US2004073666_AA

Patent Application Publication Apr. 15, 2004 Sheet 1 of 9 US 2004/073666 A1

**FIG. 1****Family:**

Publication number	Publication date	Application number	Application date
US2004073666 AA	20040415	US20020229641	20020827
US7373662 BB	20080513	US20020229641	20020827

Priority:

US20020229641 20020827

Probable Assignee: HEWLETT PACKARD DEVELOPMENT CO LP**Assignee(s):** (std): HEWLETT PACKARD DEVELOPMENT CO**Assignee(s):** HEWLETT PACKARD DEVELOPMENT CO LP ; HEWLETT PACKARD DEVELOPMENT COMPANY L P ; MADRIL ROBERT JOHN ; SIMPSON SHELL STERLING ; FOSTER WARD SCOTT ; HEWLETT PACKARD CO**Inventor(s):** (std): FOSTER WARD SCOTT ; MADRIL ROBERT JOHN ; SIMPSON SHELL STERLING ; MADRIL JR ROBERT JOHN

Abstract: Source: US2002024245A [EN] A vehicle seat allowing an occupant to either face in a first direction or a second opposed direction is provided. The seat comprises a base that allows for the back rest of the seat to be moved, alternatively, forward or back on a cushion such that the user may select whether he will ride facing towards the direction of the automobile's movement or facing away from the direction of movement. The seat further comprises a pop-up seat cushion which allows the occupant to open up the seat cushion to sit more securely within the seat cushion while having side cushions for added support and impact resistance. The present invention provides better security for small children and pregnant, elderly or otherwise more fragile adults. The seat allows children to be placed such that they do not face the direction of oncoming traffic and instead ride in the more generally agreed to be secure direction of travel.

International (IPC 8-9): A47C3/18 A47C7/40 B60N2/02 B60N2/18 B60N2/20 B60N2/24 B60N2/28 B60N2/30 G06F1/00 G06F12/14 G06F17/30 G06F21/00 G06F21/20 G06F21/24 G06F21/33 G06F21/60 G06F21/62 G09C1/00 H04L29/06 H04L9/00 H04L9/08 H04L9/30 H04L9/32 (Advanced/Invention);
A47C7/40 (Advanced/Non-invention);
G06F1/00 G06F12/14 G06F17/30 G06F21/00 G06F21/20 G09C1/00 H04L29/06 H04L9/00 H04L9/08 H04L9/28 H04L9/32 (Core/Invention)

International (IPC 1-7): A47C1/02 A47C3/18 A47C7/40 B60N2/18 B60N2/20 B60N2/22 B60N2/24 B60N2/26 B60N2/28 B60N2/30 B60N2/32 G06F1/00 G06F1/24 G06F12/14 G06F15/00 G06F17/00 G06F17/30 G09C1/00 H04L29/06 H04L9/00 H04L9/08 H04L9/30 H04L9/32

CPC: B60N2/3081 B60N2/0284 B60N2/203 B60N2/2821 B60N2/286
B60N2/2863 B60N2/3086 H04L9/006 H04L9/3234 H04L9/3263
H04L9/3226 H04L9/321 Y10S707/99952 Y10S707/99936 H04L9/00
G06Q30/06 H04L63/062 H04L63/0248 H04L63/102 H04L63/0227
H04L63/12 G06Q20/3821 H04L63/0272 G06F21/33 H04L63/083
H04L63/0442 H04L63/0815 H04L63/126 H04L63/1466 G06F21/602
H04L9/3247 H04L9/3268 H04L63/065 H04L63/0823 H04L63/104
H04L2209/56 G06F21/335 G06F21/604 G06F21/6209 G06F21/6218
G06F2221/2141 G06F2221/2149 G06F21/6236 G06F2221/2113
G06F2221/2119

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T04L63/06B T04L63/06C T04L63/12

US: 296/64 296/65.01 296/65.13 297/114 297/233 297/234 297/236
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726/30 726/30P 726/9



Publication number	Publication date	Application number	Application date
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AU200166699 A5	20011224	AU20010066699	20010605
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US2002024245 AA	20020228	US20010812728	20010319
US2002138724 AA	20020926	US20010815770	20010323
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US2007234039 AA	20071004	US20070752957	20070524
US6199945 BA	20010313	US19990368193	19990804
US6488333 BB	20021203	US20010812728	20010319
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US6934393 BB	20050823	US20010815770	20010323
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US7028180 BA	20060411	US20000690544	20001016
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WO0110667 A1	20010215	WO2000US03393	20000209
WO0196140 A1	20011220	WO2001US18079	20010605

Priority:

EP20010112855	20010531	US19990368193	19990804	US20000210462P	20000609
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WO2001US18079	20010605				

Probable Assignee: NORTHROP GRUMMAN SYSTEMS CORP

Assignee(s): (std): AULL KENNETH W ; HOON Y KIM ; KIM HOON Y ; KIM Y HOON ; NORTHROP GRUMMAN SYSTEMS CORP ; NORTHROP GRUMMAN CORP ; NORTHOP GRUMMAN CORP ; TRW INC

Assignee(s): Y KIM HOON ; NORTHROP GRUMMAN SPACE AND MISSION SYSTEMS CORP ; NORTHROP GRUMMAN CORP LOS ANGELES ; NORTHROP GRUMMAN SYSTEMS LOS ANGELES CORP ; HOON Y

Inventor(s): (std): HOON Y KIM ; KIM HOON Y ; KIM Y HOON ; MCCULLOUGH VINCENT J ; AULL KENNETH W ; NORTHRUP JAMES I

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Title: VIRTUAL PRIVATE NETWORK CROSSOVERS BASED ON CERTIFICATES

Abstract: Source: US2004088542A [EN] A method and system for enabling interconnection of VPNs is disclosed. An interconnection device manages an interconnection process at one or more facilities including, for example, a gateway device. The gateway device has information relating to a plurality of VPNs, and may facilitate interconnection between devices on at least two of the VPNs by determining that one device is in fact a member of a first one of the VPNs, and by forwarding connection parameters of the first VPN to the second VPN on an as-needed basis. In this way, the gateway allows interconnection without the need for a completely centralized decision-making process, and does so independently of the type of device and/or VPN(s) being used. Moreover, the gateway may implement only those VPN parameters needed by both VPNs to communicate with one another with a desired level of security, thereby simplifying the routing and forwarding processes associated with the actual communication occurring via the interconnection. The information related to the plurality of VPNs and their respective member devices may be stored in a mapping table at the gateway, and identification parameters of a device seeking interconnection and/or associated VPN parameters may be verified by the use of digital certificates.

Classifications:

International (IPC 8-9): G06F15/16 H04L12/46 H04L29/06

H04W12/06 (Advanced/Invention);

H04L (Subclass/Invention)

International (IPC 1-7): H04L29/06 H04L9/00

CPC: H04L12/4641 H04L63/0236 H04L63/0254 H04L63/0263

H04L63/0272 H04L63/0281 H04L63/08 H04L63/0823 H04L63/083

H04L63/0869 H04L63/101 H04L63/20

European: H04L12/46V H04L29/06C6A H04L29/06C6C2

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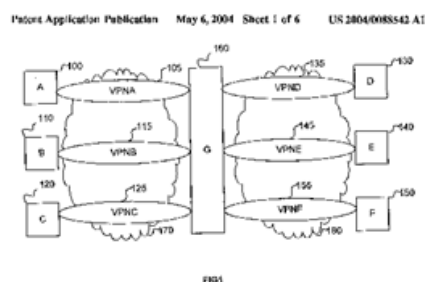
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US: 370/401 709/238 713/153 713/153S 713/156 713/156P 713/161

713/168 713/170 726/15

PatBase - US2004088542_AA

**Family:**

Publication number	Publication date	Application number	Application date
DE60315521 D1	20070920	DE20036015521	20031029
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DE60326913 D1	20090514	DE20036026913	20031029
DE60336352 D1	20110421	DE20036036352	20031029
EP1418730 A2	20040512	EP20030104019	20031029
EP1418730 A3	20040818	EP20030104019	20031029
EP1418730 B1	20090401	EP20030104019	20031029
EP1657880 A1	20060517	EP20060110354	20031029
EP1657880 B1	20070808	EP20060110354	20031029
EP1657881 A1	20060517	EP20060110356	20031029
EP1657882 A1	20060517	EP20060110360	20031029
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EP1657885 B1	20110309	EP20060110364	20031029
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HK1088743 A3	20061110	HK20060108984	20060814
US2004088542 AA	20040506	US20020288574	20021106
US7574738 BB	20090811	US20020288574	20021106

Priority:

EP20030104019 20031029 US20020288574 20021106

Probable Assignee: AT AND T CORP

Assignee(s): (std): AT AND T CORP ; AT AND T INTELLECTUAL PROPERTY I ; AT AND T IP II LP

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HERICOURT OLIVIER ; AT and T INTELLECTUAL PROPERTY II L P ; AT AND T INTELLECTUAL PROPERTY II LP

Inventor(s): (std): DAUDE OLIVIER ; FIESCHI JACQUES ; GALAND CLAUDE ; HERICOURT OLIVIER ; LE PENNEC JEAN FRANCOIS ; PENNEC JEAN FRANCOIS LE

Inventor(s): OLIVIER HERICOURT ; OLIVIER DAUDE ; JEAN FRANCOIS LE PENNEC ; JACQUES FIESCHI ; CLAUDE GALAND

Agent(s): ASQUITH JULIAN PETER ET AL; ASQUITH JULIAN PETER

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Title: REDUCING NETWORK CONFIGURATION COMPLEXITY WITH TRANSPARENT VIRTUAL PRIVATE NETWORKS

Abstract: Source: US2004268121A [EN] A firewall acts as a transparent gateway to a server within a private network by initiating an unsolicited challenge to a client to provide authentication credentials. After receiving the client's credentials, the firewall verifies the authentication credentials and establishes a secure channel for accessing the server. Data destined for the server from the client may be forwarded through the firewall using the secure channel. The firewall may sign, or otherwise indicate that data forwarded to the server is from a client that the firewall has authenticated. The firewall also may provide some level of authentication to the client. While connected to the server, the client may access other servers external to the private network without having the data associated with the other servers pass through the private network. The firewall reduces configuration information that a client otherwise must maintain to access various private network servers.

Classifications:

International (IPC 8-9): G06F11/30 G06F13/00 G06F15/00
G06F15/16 G06F21/20 H04L12/22 H04L12/28 H04L12/56 H04L12/66
H04L29/06 H04L9/32 (Advanced/Invention);
G06F15/16 H04L12/22 H04L12/28 (Advanced/Non-invention);
G06F11/30 G06F13/00 G06F15/00 G06F15/16 G06F21/20 H04L12/22
H04L12/28 H04L12/56 H04L12/66 H04L29/06
H04L9/32 (Core/Invention)

International (IPC 1-7): G06F11/30 G06F13/00 G06F15/00
G06F15/16 H04L12/22 H04L12/28 H04L12/56 H04L12/66 H04L29/06
H04L9/32

CPC: H04L9/3218 H04L2209/56 H04L2209/76 H04L2209/80
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H04L63/0853 H04L63/1458 H04L63/166

European: H04L29/06C6A H04L29/06C6C2 H04L29/06S14D2
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H04L63/14D2 H04L63/16D H04L9/32 T04L29/06C6R

US: 713/156 713/156P 713/201 726/11 726/15 726/15S

PatBase - US2004268121_AA

Patent Application Publication Doc. No. 2004 Sheet 1 of 5 US 2004/0268121 A1

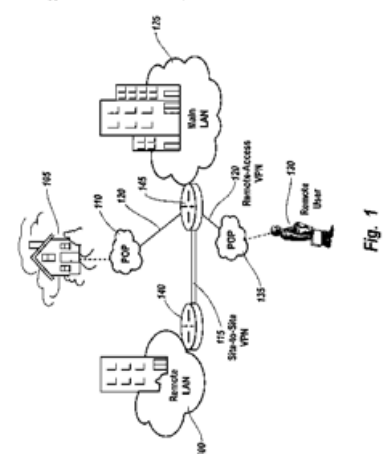


Fig. 1

Family:

Publication number	Publication date	Application number	Application date
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EP1494420 A2	20050105	EP20040014497	20040621
EP1494420 A3	20060607	EP20040014497	20040621
EP1494420 B1	20100728	EP20040014497	20040621
JP2005027312 A2	20050127	JP20040194757	20040630
JP4558389 B2	20101006	JP20040194757	20040630
KR101076848 B1	20111025	KR20040049692	20040629
KR20050002632 A	20050107	KR20040049692	20040629
US2004268121 AA	20041230	US20030611832	20030630
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Priority:

US20030611832 20030630

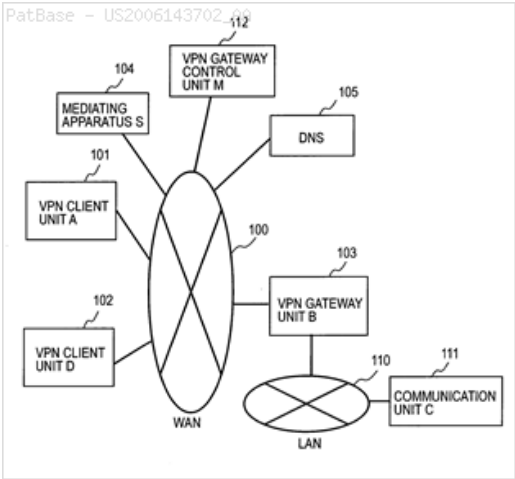
Probable Assignee: MICROSOFT TECHNOLOGY LICENSING LLC**Assignee(s):** (std): HUITEMA CHRISTIAN ; MICROSOFT CORP ; SHELEST ART**Assignee(s):** MICROSOFT TECHNOLOGY LICENSING LLC**Inventor(s):** (std): SHELEST ART ; HUITEMA CHRISTIAN ; CHRISTIAN HUITEMA ; ART SHELEST**Agent(s):** GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER ANWALTSSOZIETAET; ABE KAZUO; TANI YOSHIKAZU; WORKMAN NYDEGGER**Designated states:** AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Title: REMOTE ACCESS VPN MEDIATION METHOD AND MEDIATION DEVICE

Abstract: Source: US2006143702A [EN] A mediating apparatus is provided on an IP network, and stores an access control list (ACL) retained in a VPN gateway unit. The mediating apparatus: receives a retrieval request from a VPN client unit; acquires a private IP address of a communication unit by reference to ACL; searches DNS to acquire therefrom an IP address of the VPN gateway unit; generates a common key that is used for authentication between the VPN client unit and the VPN gateway unit and for encrypted communication therebetween; sends the IP address of the VPN gateway unit, the private IP address of the communication unit, and the common key to the VPN client unit; and sends the IP address of the VPN client unit and the common key to the VPN gateway unit.

Classifications:

International (ipc 8-9): G06F15/16 G06F17/00 G06F9/00 H04L12/46 H04L12/56 H04L12/70 H04L29/06 H04L9/08 (Advanced/Invention); G06F15/16 G06F17/00 G06F9/00 H04L12/46 H04L12/56 H04L29/06 (Core/Invention)
International (ipc 1-7): H04L12/56
CPC: H04L9/006 H04L63/0272 H04L12/4641 H04L63/101
European: H04L12/46V H04L63/02C H04L9/08 T04L29/06C6R T04L63/10A
US: 709/227 709/229 726/11 726/15 726/15P 726/27



Family:

Publication number	Publication date	Application number	Application date
CN100456739 C	20090128	CN200480000812	20040702
CN1701573 A	20051123	CN200480000812	20040702
DE602004010519 D1	20080117	DE200460010519T	20040702
DE602004010519 T2	20081113	DE200460010519T	20040702
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WO05004418 A1	20050113	WO2004JP09446	20040702

Priority:

JP20030271202 20030704 WO2004JP09446 20040702

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: METHOD AND SYSTEM FOR CONTROLLING NETWORK ACCESS

Abstract: Source: US2005204050A [EN] Systems and methods intended to control a network devices access to a network are disclosed. Embodiments of the current invention expose a method for confining a network client's network access to a specific logical region of the network. A network communication may be received and the client that originated this communication determined. This client is associated with a set of rules or walled garden that specifies the access allowed by that client. The destination of the communication may also be determined and if the destination is allowed by the set of rules associated with the client and access to the destination allowed if access to the destination is allowed by the set of rules.

Classifications:

International (ipc 8-9): G06F11/30 G06F12/14 G06F15/16
G06F15/173 G06F17/30 G06F9/00 H04K1/00 H04L29/02 H04L29/06
H04L9/00 H04L9/32 (Advanced/Invention);
G06F11/30 G06F12/14 G06F15/16 G06F17/30 H04K1/00 H04L29/02
H04L9/00 H04L9/32 (Core/Invention)

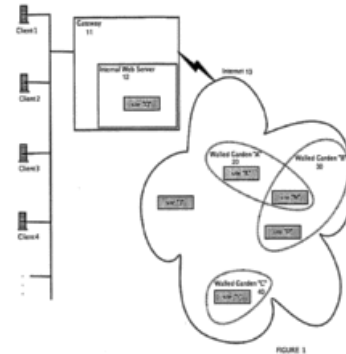
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CPC: H04L63/168 H04L63/08 H04L63/0263 H04L63/105

US: 709/224 709/225 709/229 713/182 713/201 726/1 726/11
726/12 726/2 726/22 726/3 726/5 726/5P

PatBase - US2005204050_A1

Patent Application Publication Sep. 15, 2005 Sheet 1 of 2 US 2005/0204050 A1



Family:

Publication number	Publication date	Application number	Application date
US2005204050 AA	20050915	US20050076591	20050310
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Priority:

US20040551702P 20040310 US20040551705P 20040310 US20050076591 20050310
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Probable Assignee: RPX CORP

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Assignee(s): ROCKSTEADY TECHNOLOGIES LLC

Inventor(s): (std): JOHNSTON KEITH ; MARTIN JOHN ; TONNESEN STEVEN D ; TURLEY PATRICK ; WHITE ERIC

Inventor(s): TONNESEN STEVEN

Agent(s): SPRINKLE IP LAW GROUP; HOWISON AND ARNOTT LLP

Title: METHOD AND APPARATUS FOR NETWORK SECURITY BASED ON DEVICE SECURITY STATUS

Abstract: Source: US2005246767A [EN] A method and apparatus are provided for network security based on a security status of a device. A security update status of a device is evaluated; and one or more of a plurality of security policies are selected to apply to the device based on the security update status. The available security philosophies may include, for example, a "protect the good" philosophy, an "encourage the busy" philosophy and a "shut off the non-compliant" philosophy. The security update status can evaluate, for example, a version level of one or more security features installed on the device or can be based on a flag indicating whether the device satisfies predefined criteria for maintaining one or more computer security protection features up-to-date.

Classifications:

International (ipc 8-9): G06F1/00 G06F15/00 G06F15/16 G06F21/00 H04L12/12 H04L12/22 H04L12/24 H04L29/06 H04L9/32 (Advanced/Invention);

G06F15/00 G06F15/16 H04L12/22 (Advanced/Non-invention);
G06F1/00 G06F15/00 G06F15/16 G06F21/00 H04L12/22 H04L29/06 H04L9/32 (Core/Invention)

International (ipc 1-7): G06F1/00 H04L12/12 H04L12/24 H04L29/06 H04L9/00 H04L9/32

CPC: H04L63/065 H04L63/101 H04L63/104 H04L63/1433 H04L63/145

European: H04L29/06C6C H04L29/06C6E H04L29/06S10A

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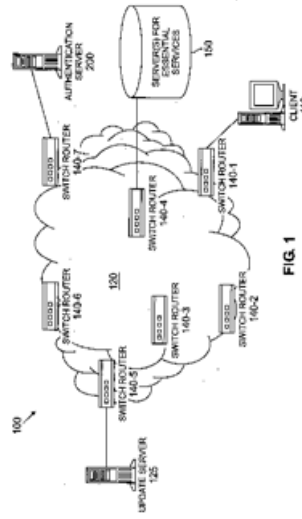
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US: 709/225 709/226 709/227 709/228 709/229 713/155 713/172 713/174 726/1 726/11 726/11P 726/2 726/21 726/24 726/24S 726/3 726/4 726/5 726/6

PatBase - US2005246767_AA

Patent Application Publication Nov. 3, 2005 Sheet 1 of 8 US 2005/0246767 A1



Family:

Publication number	Publication date	Application number	Application date
CA2497950 AA	20051026	CA20052497950	20050222
DE602005006658 D1	20080626	DE200560006658T	20050301
EP1591868 A1	20051102	EP20050251222	20050301
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KR20060046704 A	20060517	KR20050034456	20050426
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Priority:

CA20052497950 20050222 EP20050251222 20050301 US20040832107 20040426

Probable Assignee: AVAYA TECHNOLOGY CORP

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Assignee(s): OCTEL COMMUNICATIONS LLC WAS KNOWN AS OCTEL COMMUNICATIONS CORPORATION.. ; VPNET TECHNOLOGIES INC ; OCTEL COMMUNICATIONS LLC ; SIERRA HOLDINGS CORP ; AVAYA INTEGRATED CABINET SOLUTIONS INC ; CITIBANK NA ; CITICORP USA INC ; CITIBANK NA ADMINISTRATIVE AGENT AS ; CITICORP USA INC ADMINISTRATIVE AGENT AS ; BANK OF NEW YORK MELLON TRUST NA NOTES COLLATERAL ; BANK OF NEW YORK MELLON TRUST CO NA ; BANK OF NEW YORK MELLON TRUST NA NOTES COLLATERAL AGENT AS ; GOLDMAN SACHS BANK USA COLLATERAL AGENT AS ; CITIBANK NA COLLATERAL AGENT AS

Inventor(s): (std): FAZAL LOOKMAN Y ; KAPPES MARTIN ; LOOKMAN FAZAL Y ; KRISHNAN PARAMESHWARAN ; KRISHNAN P ; KRISHNAKUMAR ANJUR S ; KAPPES MATIN

Inventor(s): KRISHNAKUMAR ANJUR ; FAZAL LOOKMAN

Agent(s): KIRBY EADES GALE BAKER; WILLIAMS DAVID JOHN ET AL; MOTOMIYA TERUHISA; UBUKATA KAZUO; KATO NOBUAKI; OCHI TAKAO; OKABE MASAO; ASAHI NOBUMITSU; USUI SHINICHI; OKABE YUZURU; RYAN MASON AND LEWIS LLP, SUITE 205; RYAN MASON AND LEWIS LLP SUITE 205; MALDJIAN LAW GROUP LLC; JOHN P; ALEXANDER D

Designated states: DE FR GB IT

Title: QUARANTINE NETWORKING

Abstract: Source: US2005273853A [EN] In some illustrative embodiments, a novel system and method is provided that includes a quarantining architecture for quarantining of clients, including: a) an unauthenticated network; b) a quarantine network; and c) a safe network.

Classifications:

International (IPC 8-9): G09C1/00 H04L12/24 H04L12/28 H04L12/56

H04L29/06 (Advanced/Invention);

G09C1/00 H04L12/24 H04L12/28 H04L12/56 (Core/Invention)

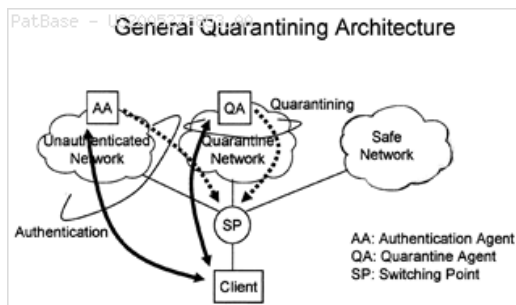
International (IPC 1-7): H04L12/28

CPC: H04L41/28 H04L63/08 H04L63/10 H04L63/145 H04L63/1491 H04L63/20

European: H04L12/24G H04L41/28 H04L63/08 H04L63/10

H04L63/14D1 H04L63/14D10 H04L63/20

US: 726/22 726/22P



Family:

Publication number	Publication date	Application number	Application date
CA2580274 AA	20061123	CA20052580274	20050524
CN101433020 A	20090513	CN200580022906	20050524
EP1762045 A2	20070314	EP20050754014	20050524
EP1762045 A4	20101201	EP20050754014	20050524
JP2008502209 T2	20080124	JP20070515270T	20050524
US2005273853 AA	20051208	US20050908199	20050502
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Priority:

US20040573702P 20040524

US20050908199 20050502

WO2005US18258 20050524

Probable Assignee: TOSHIBA KK

Assignee(s): (std): DAS SUBIR ; DUTTA ASHUTOSH ; OBA YOSHIHIRO ; TELCORDIA INC ; TELECORDIA INC ; TOSHIBA AMERICA RES INC ; TOSHIBA CORP

Assignee(s): TOSHIBA KK ; TOSHIBA AMERICA RESEARCH INC ; TELCORDIA TECHNOLOGIES INC

Inventor(s): (std): DAS SUBIR ; DUTTA ASHUTOSH ; OBA YASHIHIRO ; OBA YOSHIHIRO ; YOSHIHIRO OBA ; SUBIR DAS ; ASHUTOSH DUTTA

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; WATCHSTONE P AND D

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SECURITY SYSTEM WITH METHODOLOGY PROVIDING VERIFIED SECURED INDIVIDUAL END POINTS

Abstract: Source: US2005273850A [EN] A security system with methodology providing verified secured individual end points is described. In one embodiment, for example, a method of the present invention is described for controlling access to a particular application, the method comprises steps of: defining firewall rules specifying filtering conditions for incoming network traffic, the firewall rules including an application attribute that allows individual rules to be associated with specific applications, the firewall rules also including extended attributes that allow specification of additional conditions that a given end point is required to meet; intercepting incoming network traffic destined for a particular application for which a particular application-specific firewall rule has been created; examining the extended attributes for the particular application-specific firewall rule, for determining what additional conditions the given end point must comply with in order to communicate with the particular application; if the given end point complies with the additional conditions, allowing the end point to communicate with the particular application; and otherwise blocking the end point to prevent communication with the particular application.

Classifications:

International (IPC 8-9): G06F11/30 G06F12/14 H04L29/06 H04L9/00 H04L9/32 (Advanced/Invention);

G06F11/30 G06F12/14 H04L29/06 H04L9/00 H04L9/32 (Core/Invention)

International (IPC 1-7): G06F11/30 G06F12/14 H04L9/00 H04L9/32

CPC: H04L63/0227 H04L63/0428 H04L63/0823 H04L63/166 H04L63/20

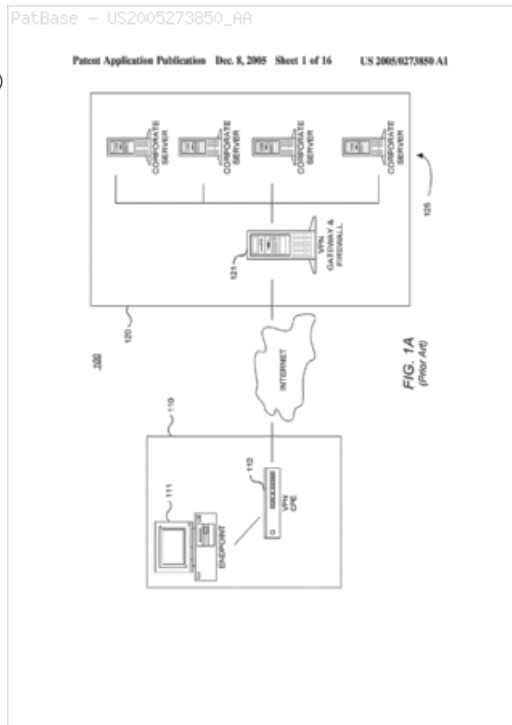
European: H04L29/06C6 H04L29/06S16E H04L29/06S20

H04L29/06S2B H04L29/06S4B H04L29/06S8C H04L63/02B

H04L63/04B H04L63/08C H04L63/16D H04L63/20

US: 713/152 713/187 714/E11.207 714/E11.207S 726/1 726/11

726/14 726/14P 726/2 726/22 726/23 726/24 726/25 726/3 726/4



Family:

Publication number	Publication date	Application number	Application date
US2005273850 AA	20051208	US20050907331	20050329
US8136149 BB	20120313	US20050907331	20050329

Priority:

US20040521623P 20040607 US20050907331 20050329

Probable Assignee: CHECK POINT SOFTWARE TECHNOLOGIES INC

Assignee(s): (std): CHECK POINT SOFTWARE TECH LTD ; CHECK POINT SOFTWARE TECHNOLOG ; CHECK POINT SOFTWARE TECHNOLOGIES INC ; FREUND GREGOR PAUL

Inventor(s): (std): FREUND GREGOR P ; FREUND GREGOR PAUL

Inventor(s): FREUND GREGOR

Agent(s): JOHN A SMART; JOHN A; G MACK

Title: SYSTEM AND APPARATUS FOR STORAGE AND TRANSFER OF SECURE DATA ON WEB

Abstract: Source: US2006101114A [EN] The present invention relates to methods and systems for creating secure cookies. The methods can be used to create, receive, and transmit secure cookies, confidential cookies, and authentication cookies.

Classifications:

International (IPC 8-9): G06F11/00 G06F15/16 (Advanced/Invention); G06F11/00 (Advanced/Non-invention); G06F15/16 (Core/Invention)

CPC: G06F21/33 G06F17/3089 G06F21/31 G06F21/6209 G06F21/6218 G06F21/6263 G06F21/64 H04L63/08 H04L63/0807 H04L63/0823 H04L63/168

European: G06F17/30W7 G06F21/31 G06F21/33 G06F21/62A G06F21/62B G06F21/62B5B G06F21/64 H04L29/06S16G H04L29/06S8 H04L29/06S8A H04L29/06S8C H04L63/08 H04L63/08A H04L63/08C H04L63/16G

US: 707/10 707/999.01 709/203 709/203P 709/217 709/225 709/226 709/227 709/228 709/229 713/201 713/202 713/300 713/310 726/14 726/14P

PatBase - US2006101114A

	Description	Flag	Path	Cookie Name	Cookie Value	Secure	Expiration
Cookie 1	acme.com	TRUE	/	Name	Alice	FALSE	12/31/99
⋮							
Cookie n	acme.com	TRUE	/	Role	manager	FALSE	12/31/99

Family:

Publication number	Publication date	Application number	Application date
US2006101114 AA	20060511	US20050303927	20051219
US2008052775 AA	20080228	US20070864597	20070928
US6985953 BA	20060110	US19990451090	19991130
US7293098 BB	20071106	US20050303927	20051219
US8019881 BB	20110913	US20070864597	20070928

Priority:

US19980110217P 19981130 US19990451090 19991130 US20050303927 20051219
US20070864597 20070928

Probable Assignee: GEORGE MASON INTELLECTUAL PROPERTIES INC

Assignee(s): (std): GEORGE MASON UNIVERSITY ; GEORGE MASON UNIVERSITY ; PARK JOON S ; SANDHU RAVI ; UNIV GEORGE MASON ; GEORGE MASON INTELLECTUAL PROP

Assignee(s): GEORGE MASON INTELLECTUAL PROPERTIES INC ; GEORGE MASON UNIV

Inventor(s): (std): PARK JOON S ; SANDHU RAVI

Inventor(s): PARK JOON

Agent(s): GEORGE MASON UNIVERSITY, OFFICE OF TECHNOLOGY TRANSFER MSN 5G5; GEORGE MASON UNIV OFFICE OF TECHNOLOGY TRANSFER MSN 5G5; DAVID G; RICHARD M; DAVID

Title: CONNECTION METHOD, COMMUNICATION SYSTEM, DEVICE, AND PROGRAM

Abstract: Source: US2008098472A [EN] A VPN connection method and a communication system are provided, each which can omit the setting of a firewall and the installation of a relay server and can establish communications from the outside of a firewall to the inside thereof. The internal network 2 is connected to the external network 1 via the firewall 3. The internal network 2 enables communications by an e-mail from the external network 1 (outside the firewall) to the mail server 21 in the internal network 2 (inside the firewall) or communications by telephone or radio, which is not via the firewall 3. The feature of the firewall 3 is utilized that access from the outside to the inside of the firewall through VPN connection is very difficult but the access in the reverse stream can be simply performed. Using the mail server, telephone line or radio line, the internal network 2 receives an e-mail, which requires for VPN connection from the external network 1, or control information through the telephone line. Thus, the internal network 2 sends callback for VPN connection to the e-mail transmission source. As a result, the callback allows the external network 1 to pass through the firewall 3.

Classifications:

International (IPC 8-9): G06F13/00 G06F15/173 G06F21/20 H04L12/56 H04L12/58 H04L12/66 H04L12/70

H04L29/06 (Advanced/Invention);

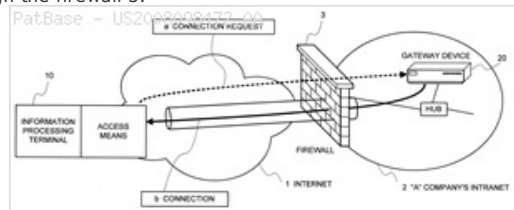
G06F13/00 H04L12/56 H04L12/66 (Core/Invention)

International (IPC 1-7): H04L12/56 H04L12/66

CPC: H04L63/029 H04L63/0272

European: H04L63/02E T04L63/02C

US: 1/1 726/12 726/12P



Family:

Publication number	Publication date	Application number	Application date
CN1981496 A	20070613	CN200580022200	20050726
CN1981496 B	20160914	CN200580022200	20050726
JP2006011464 A1	20080501	JP20060529327T	20050726
JP4352275 B1	20091028	JP20060529327T	20050726
JP4352275 B2	20091028	JP20060529327T	20050726
TW200620913 A	20060616	TW20050125406	20050727
US2008098472 AA	20080424	US20050572496	20050726
US9088547 BB	20150721	US20050572496	20050726
WO06011464 A1	20060202	WO2005JP13617	20050726

Priority:

JP20040220902 20040728 JP20050211799 20050721 WO2005JP13617 20050726

Probable Assignee: NEC CORP

Assignee(s): (std): ARUTAKI AKIRA ; ENOMOTO NOBUYUKI ; HIDAKA YOUICHI ; IWATA ATSUSHI ; NEC CORP ; NIPPON ELECTRIC CO ; YOSHIMI HIDEO

Inventor(s): (std): ARUTAKI AKIRA ; ENOMOTO NOBUYUKI ; HIDAKA YOUICHI ; IWATA ATSUSHI ; YOSHIMI HIDEO ; AKIRA ENOMOTO NOBUYUKI HIDAKA

Inventor(s): ENOMOTO NOBUYUKI HIDAKA YOUICHI YOSHIMI HIDEO IWAT ; ENOMOTO NOBUYUKI HIDAKA YOUICHI YOSHIMI HIDEO ; ENOMOTO NOBUYUKI HIDAKA YOUICHI YOSHIMI HIDEO IWATA ATSUSHI ARUTAKI AKIRA

Agent(s): DICKSTEIN SHAPIRO LLP; ARENT FOX LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SYSTEM AND METHOD FOR SECURE NETWORK CONNECTIVITY

Abstract: Source: US2007101405A [EN] A system and method to ensure that a remote computer making a VPN connection complies with network security policies. Server-driven security checks may be configured to verify compliance with each access level before access is granted at that level. The security checks may be selected based at least according to the information received from the remote computer. After the server determines that the remote computer complies with the security policy for the requested access level, the server may pass a token to the remote computer, or may grant VPN access to the remote computer. If the remote computer does not comply with the security policy associated with the requested access level but is in compliance with a security policy corresponding to a lower access level, the server may grant the remote computer access to the lower access level.

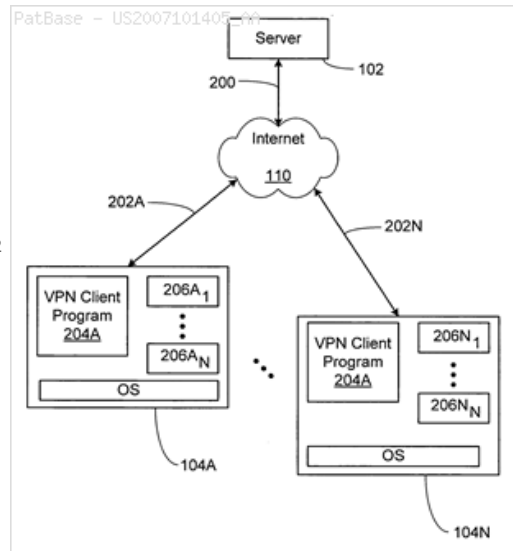
Classifications:

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CPC: H04L63/20 H04L63/105 H04L63/108 H04L63/1433 H04L63/0272 H04L63/102

European: H04L29/06C6C H04L29/06S10B H04L29/06S2C H04L63/02C H04L63/10B T04L29/06C6M T04L29/06C6R

US: 709/219 709/225 709/225S 726/1 726/12 726/15 726/1S 726/2 726/25 726/25P 726/25S 726/2S 726/4 726/4P 726/5 726/5S 726/6 726/6S 726/7 726/7S 726/9 726/9S

**Family:**

Publication number	Publication date	Application number	Application date
DE602005047751 D1	20151203	DE200560047751T	20050722
EP1782265 A2	20070509	EP20050775366	20050722
EP1782265 A4	20130515	EP20050775366	20050722
EP1782265 B1	20151021	EP20050775366	20050722
ES2556245 T3	20160114	ES20050775366T	20050722
HK1104628 A1	20160624	HK20070109617	20070904
HK1104628 A3	20080118	HK20070109617	20070904
JP2008508797 T2	20080321	JP20070523678T	20050722
JP2010176685 A2	20100812	JP20100044404	20100301
JP4699461 B2	20110608	JP20070523678T	20050722
JP4829354 B2	20111207	JP20100044404	20100301
US2007101405 AA	20070503	US20040903941	20040730
US2007107060 AA	20070510	US20060516930	20060906
US2007107061 AA	20070510	US20060516931	20060906
US7360237 BB	20080415	US20040903941	20040730
US7428746 BB	20080923	US20060516930	20060906
US7428753 BB	20080923	US20060516931	20060906
WO06014842 A2	20060209	WO2005US26215	20050722
WO06014842 A3	20060526	WO2005US26215	20050722

Priority:

EP20050775366 20050722 JP20070523678 20050722 US20040903941 20040730
US20060516930 20060906 US20060516931 20060906 WO2005US26215 20050722

Probable Assignee: BARCLAYS CAPITAL INC

Assignee(s): (std): ENGLE MICHAEL T; ENGLE MICHAEL T; LEHMAN BROTHERS INC; NWOKOBIA FREDERICK; NOACK BRADLEY D; MAKOWIECKI JERZY; BARCLAYS CAPITAL INC

Assignee(s): BARCLAYS CAPITAL INC NEW YORK; LEHMAN BROTHERS INC ENGLE MICHAEL T NWOKOBIA FREDE

Inventor(s): (std): ENGLE MICHAEL T; MAKOWIECKI JERZY; NWOKOBIA FREDERICK; NOACK BRADLEY D

Inventor(s): NOACK BRADLEY D HOBOKEN; NWOKOBIA FREDERICK UNION; NOACK BRADLEY; ENGLE MICHAEL; MAKOWIECKI JERZY WHITEHOUSE STATION; ENGLE MICHAEL T SOUTH AMBOY

Agent(s): RGC JENKINS AND CO; DUNLOP HUGH CHRISTOPHER; CARPINTERO MARIO; MORGAN LEWIS AND BOCKIUS LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SYSTEM AND METHOD FOR ADDRESS BLOCK ENHANCED DYNAMIC NETWORK POLICY MANAGEMENT

Abstract: Source: US2006036730A [EN] A method, computer readable medium, and system for acquiring address block information for an attached function that initiates network access on a distributed computing network. Additional policy information in acquired concerning the attached function. One or more access policies are set based, at least in part, on the address block information and the additional policy information.

Classifications:

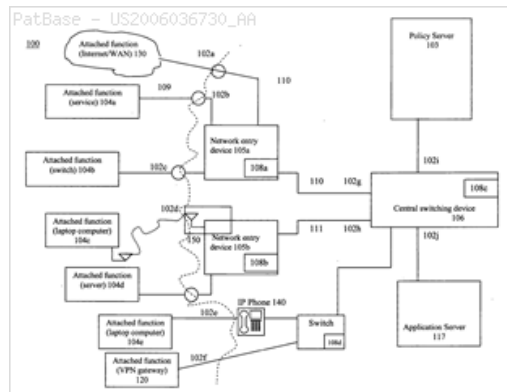
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H04L9/00 H04L9/32 (Advanced/Invention);
G06F12/14 G06F15/16 H04L12/24 H04L12/26 (Core/Invention)

International (ipc 1-7): G06F15/173

CPC: H04L67/025 H04L67/125 H04L29/12009 H04L29/12801
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H04L41/042 H04L63/1416 H04L63/1441

European: H04L12/24B1 H04L12/26M H04L29/06S14A1
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T04L29/06C6M T04L63/20

US: 709/224 709/224P 709/224S 713/151 713/152 713/153 726/22
726/22P 726/27 726/28 726/29 726/3 726/30 726/4



Family:

Publication number	Publication date	Application number	Application date
EP1725946 A2	20061129	EP20050724113	20050225
EP1725946 A4	20120711	EP20050724113	20050225
US2006036730 AA	20060216	US20050199552	20050808
US2006037075 AA	20060216	US20050066622	20050225
US7945945 BB	20110517	US20050199552	20050808
WO05091901 A2	20051006	WO2005US06503	20050225
WO05091901 A3	20060202	WO2005US06503	20050225

Priority:

US20040552000P 20040310 US20040552000P 20040310 US20040599626P 20040806
US20050199552 20050808 WO2005US06503 20050225 US20050066622 20050225

Probable Assignee: EXTREME NETWORKS INC

Assignee(s): (std): FRATTURA DAVID E ; GRAHAM RICHARD ; GRAHAM RICHARD W ; ROESE JOHN ; ENTERASYS NETWORKS INC

Assignee(s): EXTREME NETWORKS INC ; SILICON VALLEY BANK

Inventor(s): (std): GRAHAM RICHARD ; ROESE JOHN ; GRAHAM RICHARD W ; FRATTURA DAVID E

Inventor(s): FRATTURA DAVID

Agent(s): GROSSMAN TUCKER PERREAULT AND PFLEGER PLLC; HOLLAND AND KNIGHT LLP; BRIAN J; J MITCHELL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SYSTEMS AND METHODS OF SECURING RESOURCES THROUGH PASSWORDS

Abstract: Source: US2006041756A [EN] Disclosed is a method of authorizing access to an item that maintains a lockout count and blocks access to the item if the lockout count exceeds a predetermined value. One feature is that the invention "variably" increments the lockout count if the presented password fails to exactly match the stored password. In this process the invention increments the lockout count different amounts depending upon how closely the presented password matches the stored password. The invention also provides a methodology that allocates a plurality of the same passwords to a plurality of users who share the same userid. The invention allows continuous operation of the item being accessed by providing that each of the passwords has a different expiration date. Also, when dealing with situations where a plurality of users who share the same userid also share the same password, the invention maps information associated with the users to the password in a data file and periodically updates the data file.

Classifications:

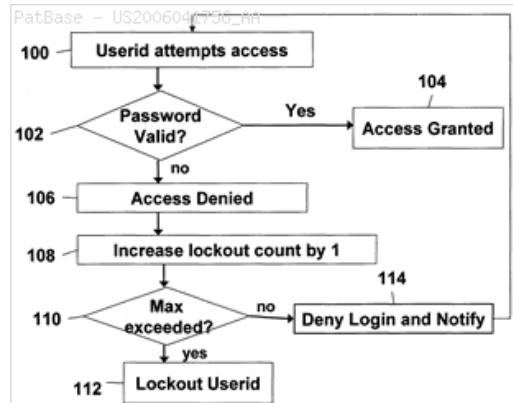
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G06F17/30 G06F7/02 G06K9/00 H03M1/68 H04K1/00 H04L9/00 H04L9/32 H04N7/16 (Core/Invention)

CPC: G06F21/31

European: G06F21/31

US: 713/183 713/183P 713/184 713/185 726/2 726/26 726/26S 726/27 726/27S 726/3 726/4 726/5

**Family:**

Publication number	Publication date	Application number	Application date
US2006041756 AA	20060223	US20040711044	20040819
US2008282091 AA	20081113	US20080033937	20080220
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Priority:

US20040711044 20040819 US20080033937 20080220

Probable Assignee: IBM

Assignee(s): (std): IBM

Assignee(s): INT BUSINESS MACHINE CORP ; INT BUSINESS MACHINES CORP

Inventor(s): (std): ASHOK GURU S ; DUNKI JACOBS RAYMOND P ; MILNE ROBERT J ; NAHAR RAHUL ; SHAH ASHIT M ; TANDEL SHREESH S ; VENKATACHALAM MUTHUSWAMY

Inventor(s): ASHOK GURU ; TANDEL SHREESH ; SHAH ASHIT ; MILNE ROBERT ; DUNKI JACOBS RAYMOND

Agent(s): FREDERICK W GIBB III GIBB INTELLECTUAL PROPERTY LAW FIRM LLC ; FREDERICK W GIBB III GIBB AND RAHMAN LLC ; GIBB AND RAHMAN LLC ; KOTULAK ESQ RICHARD M ; RICHARD M ; GIBB IP LAW FIRM LLC

Title: ARCHITECTURE FOR ROUTING AND IPSEC INTEGRATION

Abstract: Source: US2006059370A [EN] The invention is directed towards routing a packet using both IPsec and common routing protocols within dynamic network topologies in a VPN. The routing of IPsec packets employs Open System Interconnection (OSI) layer three information. In one embodiment, a tree mechanism is used for looking up layer three information that may be associated with a protected subnetwork. When a packet is identified as being associated with a protected subnetwork, the packet may be encrypted and encapsulated, including the original destination and source IP address header information within another packet employing the IP Encapsulating Security Payload (ESP) protocol. New source and destination IP addresses are provided for the new packet using IP addresses associated with an entry gateway and an exit gateway to the VPN. The new packet may then be routed through the VPN using traditional routing protocols.

Classifications:

International (ipc 8-9): G06F12/14 H04L12/22 H04L12/28 H04L12/46 H04L12/56 H04L29/06 (Advanced/Invention); H04L12/22 H04L12/28 H04L12/56 H04L29/06 (Advanced/Non-invention); G06F12/14 H04L12/22 H04L12/28 H04L12/56 H04L29/06 (Core/Invention)

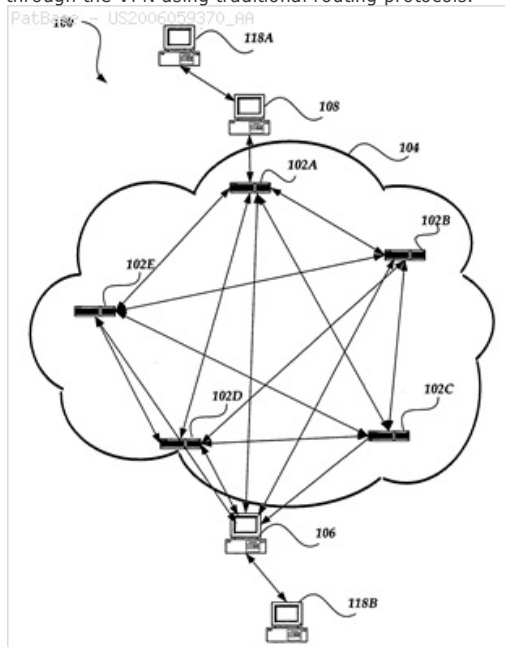
International (ipc 1-7): H04L12/46 H04L12/56 H04L29/06

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European: H04L29/06C6B H04L29/06S16C H04L29/06S2C

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US: 709/224 709/225 709/233 709/234 713/151 713/153 713/189 713/189P 726/13



Family:

Publication number	Publication date	Application number	Application date
CN101048978 A	20071003	CN200580036668	20050901
EP1794937 A1	20070613	EP20050784496	20050901
KR20070053345 A	20070523	KR20077008543	20070413
TW200625875 A	20060716	TW20050131407	20050913
TWI312626 B	20090721	TW20050131407	20050913
US2006059370 AA	20060316	US20040941772	20040915
US7647492 BB	20100112	US20040941772	20040915
WO6030266 A1	20060323	WO20051B02585	20050901

Priority:

US20040941772 20040915 WO20051B02585 20050901

Probable Assignee: CHECK POINT SOFTWARE TECHNOLOGIES INC

Assignee(s): (std): ASNIS JAMES D ; ASNIS JAMES DAVID ; CHECK POINT SOFTWARE TECH LTD ; CHECK POINT SOFTWARE TECHNOLOG ; KARTAU OLEV ; LEHTONEN TEEMU S ; NOKIA INC ; LEHTONEN TEEMU SAMULI ; NOKIA CORP ; NOKIA CORPORATIO

Assignee(s): CHECK POINT SOFTWARE TECHNOLOGIES INC

Inventor(s): (std): ASNIS JAMES D ; ASNIS JAMES DAVID ; JAMES D ASNIS ; KARTAU OLEV ; LEHTONEN TEEMU S ; LEHTONEN TEEMU SAMULI ; OLEV ASNIS JAMES DAVID LEHTONE ; OLEV KARTAU ; TEEMU S LEHTONEN

Inventor(s): ASNIS JAMES DAVID LEHTONEN TEEMU SAMULI KARTAU... ; LEHTONEN TEEMU ; ASNIS JAMES

Agent(s): DARBY AND DARBY PC; SQUIRE SANDERS AND DEMPSEY LLP

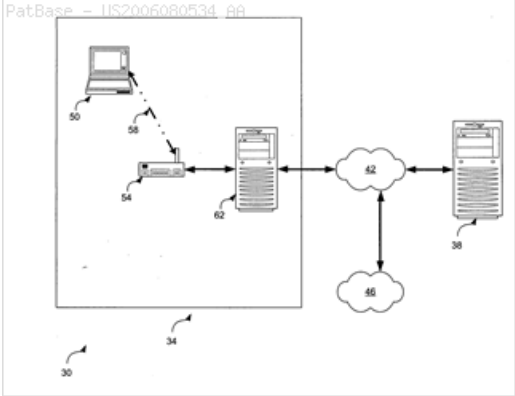
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Title: SYSTEM AND METHOD FOR ACCESS CONTROL

Abstract: Source: US2006080534A [EN] A system and method for access control is provided. In one embodiment, a system includes a computing device connected to an access server that controls the ability of the computing device to access to a computing resource, such as the Internet. The access server connects to an activation server via a network. The activation server is operable to receive a request for to generate a certificate for the computing device from the activation server. The activation server is operable to generate the certificate and embed a unique identifier of the computing device and/or the access server and/or the like inside the certificate. Once generated, the certificate is installed in the computing device. When the computing device initiates a request to access the computing resource, the computing device initially sends the certificate to the access server. If the certificate received by the access server does not include the expected unique identifier(s), then access to the computing resource is prevented and/or restricted. If the key received by the access server includes the expected unique identifier(s), then access to the computing resource is permitted.

Classifications:

International (IPC 8-9): G06F12/14 G06F21/20 G06F21/33 H04L12/22 H04L12/66 H04L9/00 H04L9/32 (Advanced/Invention); G06F12/14 H04L12/22 H04L9/00 H04L9/32 (Core/Invention)
International (IPC 1-7): G06F12/14 H04L12/22 H04L9/32
CPC: H04W12/08 H04L63/0823 G06F21/33 H04W12/06
European: G06F21/33 H04L29/06C6C2 H04L63/08C H04W12/06
US: 713/156 713/158 713/176 713/176P 726/10 726/12



Family:

Publication number	Publication date	Application number	Application date
CA2578186 AA	20061221	CA20042578186	20041012
CA2578186 AA	20060420	CA20042578186	20041012
CA2578186 C	20120710	CA20042578186	20041012
US2006080534 AA	20060413	US20040002315	20041203
US7904952 BB	20110308	US20040002315	20041203
WO06039771 A1	20060420	WO2004CA01821	20041012

Priority:

US20040002315 20041203 WO2004CA01821 20041012

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Inventor(s): O BRIEN WILLIAM ; O'BRIEN WILLIAM G ; YEAP TET

Agent(s): SMART AND BIGGAR; FETHERSTONHAUGH - SMART AND BIGGAR; FETHERSTONHAUGH SMART AND BIGGAR

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: METHOD AND SYSTEM FOR SEPARATING RULES OF A SECURITY POLICY FROM DETECTION CRITERIA

Abstract: Source: US2006161965A [EN] A method and system that enables a security policy to separate developer-provided detection criteria from an administrator-provided custom policy is provided. The security system allows a developer of detection criteria to provide a signature file containing the signatures that are available for use by a security policy. The security system also allows an administrator of a computer system to specify a custom policy that uses the signatures of the signature file. The developer may distribute the signature file to host computer systems independently of the administrator's distribution of the rules of the custom policy to the host computer systems. When a security enforcement event occurs at the host computer system, the security system applies the rules of the security policy to the event.

Classifications:

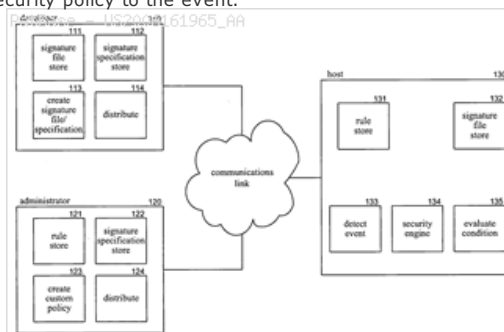
International (IPC 8-9): G06F15/16 G06F17/00 G06F9/00 H04K1/00 H04L9/00 (Advanced/Invention);

G06F17/00 H04K1/00 H04L9/00 (Core/Invention)

CPC: G06F21/55

European: G06F21/55

US: 709/223 726/1 726/13 726/1P



Family:

Publication number	Publication date	Application number	Application date
US2006161965 AA	20060720	US20050039637	20050119
US7591010 BB	20090915	US20050039637	20050119

Priority:

US20050039637 20050119

Probable Assignee: MICROSOFT TECHNOLOGY LICENSING LLC

Assignee(s): (std): MICROSOFT CORP

Assignee(s): MICROSOFT TECHNOLOGY LICENSING LLC

Inventor(s): (std): SHELEST ART ; RAGHUNATHAN SUBHASHINI ; FIELD SCOTT A

Inventor(s): FIELD SCOTT

Agent(s): PERKINS COIE LLP MSFT; PERKINS COIE LLP

Title: CLIENT APPARATUS, DEVICE VERIFICATION APPARATUS, AND VERIFICATION METHOD

Abstract: Source: US2006190987A [EN] A client apparatus for utilizing services by executing service programs includes a policy holding unit, a verification unit, a verification result holding unit, and a verification result notification unit. The policy holding unit holds a service-specific verification policy pre-checked by a device verification apparatus. The verification unit verifies an operation and configuration of the client apparatus itself by using the verification policy when the service program is executed. The verification result notification unit notifies the verification result to the device verification apparatus, which requests the verification result.

Classifications:

International (IPC 8-9): G06F17/30 G06F21/00 G06F21/20

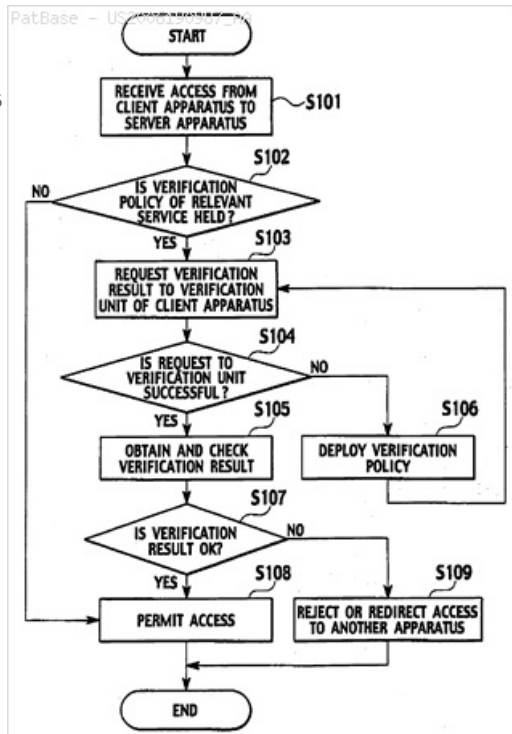
G06F21/24 H04L29/06 H04L9/00 (Advanced/Invention);

G06F17/30 G06F21/00 H04L9/00 (Core/Invention)

CPC: G06F21/57 H04L63/10 H04L63/12 H04L63/1416 Y10S707/99936

European: G06F21/57 H04L29/06C6C H04L29/06C6G H04L63/10 H04L63/12 T04L29/06C6M T04L63/14A1

US: 1/1 707/10 707/6 707/999.006 726/1 726/1P



Family:

Publication number	Publication date	Application number	Application date
CN1815949 A	20060809	CN200610003326	20060205
CN1815949 B	20101013	CN200610003326	20060205
DE602006030039 D1	20120802	DE200660030039T	20060206
EP1689145 A1	20060809	EP20060002346	20060206
EP1689145 B1	20120613	EP20060002346	20060206
JP2006244469 A2	20060914	JP20060019524	20060127
JP4376233 B2	20091202	JP20060019524	20060127
US2006190987 AA	20060824	US20060346290	20060203
US7693835 BB	20100406	US20060346290	20060203

Priority:

EP20060002346 20060206 JP20050029758 20050204 JP20060019524 20060127

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Assignee(s): N A

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Designated states: DE GB

Title: ESTABLISHMENT OF A SECURE COMMUNICATION

Abstract: Source: US2006248337A [EN] There is proposed a mechanism for establishing a secure communication between network elements in a communication network. The network nodes execute an authentication procedure with an authentication network element. The authentication network may also one of the network elements as a gateway element. Then, a respective data key for the network elements authenticated is generated and distributed to the gateway element by using a secure channel between the authentication network element and the gateway element. The data keys are stored in the gateway element. When a secure communication is to be setup, a respective session key is generated in the network elements intending to participate in the secure communication. The session keys are exchanged between the network elements intending to participate in the secure communication via secure channels between the gateway element and the network elements.

Classifications:

International (IPC 8-9): G06F15/00 G06F15/16 G06F17/00 G06F9/00 H04L29/06 H04L9/00 H04L9/08 H04L9/14 H04L9/32 H04W12/06 (Advanced/Invention); H04W12/04 H04W12/06 H04W76/02 H04W88/16 (Advanced/Non-invention); G06F15/00 G06F15/16 G06F17/00 G06F9/00 H04L29/06 H04L9/00 H04L9/08 H04L9/14 H04L9/32 H04W12/00 (Core/Invention); H04W76/00 H04W88/00 (Core/Non-invention)

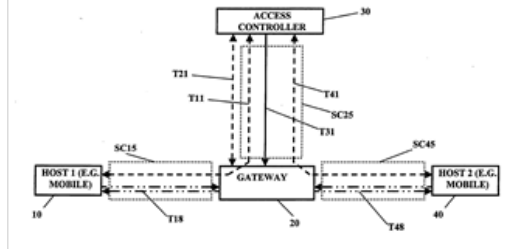
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CPC: G06F15/16 H04W12/02 H04W12/04 H04L63/0272 H04L63/08 H04W12/06 H04W88/16 H04L9/0894 H04L9/14 H04W76/10

European: H04L29/06C6C2 H04L63/02C H04L63/08 H04W12/06 T04W76/02 T04W88/16

US: 713/153 713/153S 713/171 713/171P 726/12 726/12S 726/15 726/15S

PatBase - US2006248337_AA

**Family:**

Publication number	Publication date	Application number	Application date
CN101204065 A	20080618	CN200680019517	20060428
EP1875709 A1	20080109	EP20060728079	20060428
IN07896DN2007 A	20080704	IN2007DN07896	20071012
JP2008539643 T2	20081113	JP20080508402T	20060428
KR100922679 B1	20091019	KR20077024781	20060428
KR20080002894 A	20080104	KR20077024781	20060428
US2006248337 AA	20061102	US20050159146	20050623
US2007198837 AA	20070823	US20060412864	20060428
WO06117738 A1	20061109	WO2006IB51336	20060428

Priority:

US20050159146 20050623 US20050675858 20050429 US20060412864 20060428
US20050675858P 20050429 WO2006IB51336 20060428 WO2006IB51336 20071026

Probable Assignee: NOKIA CORP

Assignee(s): (std): FORSBERG DAN ; KOODLI RAJEEV ; NOKIA CORP

Inventor(s): (std): DAN FORSBERG ; KOODLI RAJEEV ; RAJEEV KOODLI ; FROSBERG DAN ; FORSBERG DAN

Agent(s): SQUIRE SANDERS AND DEMPSEY LLP

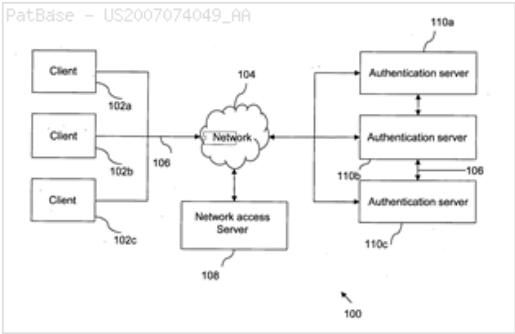
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: METHOD AND SYSTEM FOR CONTINUOUSLY SERVING AUTHENTICATION REQUESTS

Abstract: Source: US2007074049A [EN] A method and system for continuously serving the authentication requests of networked computers is disclosed. The authentication requests of computers are served and the services for the computers are reserved for a predefined time interval. The authentication service for a computer is reserved by an authentication server, which receives authentication requests of the computer.

Classifications:

International (IPC 8-9): G06F12/14 H04L29/06 (Advanced/Invention); G06F12/14 (Core/Invention)
CPC: H04L63/0846
European: H04L63/08D2
US: 713/153 713/193 713/193P 726/12



Family:

Publication number	Publication date	Application number	Application date
US2007074049 AA	20070329	US20050239010	20050929
US8151338 BB	20120403	US20050239010	20050929

Priority:

US20050239010 20050929

Probable Assignee: CISCO SYSTEMS INC

Assignee(s): (std): BRONSSTEIN ILAN ; CISCO TECH INC ; FRENKEL ILAN ; KOBOZEV ALEXEY ; ZAVALKOVSKY ARTHUR

Assignee(s): CISCO TECHNOLOGY INC ; CISCO SYSTEMS INC

Inventor(s): (std): BRONSSTEIN ILAN ; FRENKEL ILAN ; KOBOZEV ALEXEY ; ZAVALKOVSKY ARTHUR

Agent(s): TRELLIS INTELLECTUAL PROPERTY LAW GROUP PC; FISH AND RICHARDSON PC

Title: METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR PROVIDING A CLIENT DEVICE WITH TEMPORARY ACCESS TO A SERVICE DURING AUTHENTICATION OF THE CLIENT DEVICE

Abstract: Source: US2007209081A [EN] Methods, systems, and computer program products for providing a client device temporary access to a service during authentication of the client device are described. According to one method, client information and certification authority information are received from a client device. Further, a first authentication of the client device is performed based on the certification authority information and information identifying a trusted certification authority. In response to success of the first authentication, service access corresponding to the first authentication is provided to the client device. Further, in response to success of the first authentication, a second authentication of the client device is performed based on the client information. In response to success of the second authentication, service access corresponding to the second authentication of the client device is provided.

Classifications:

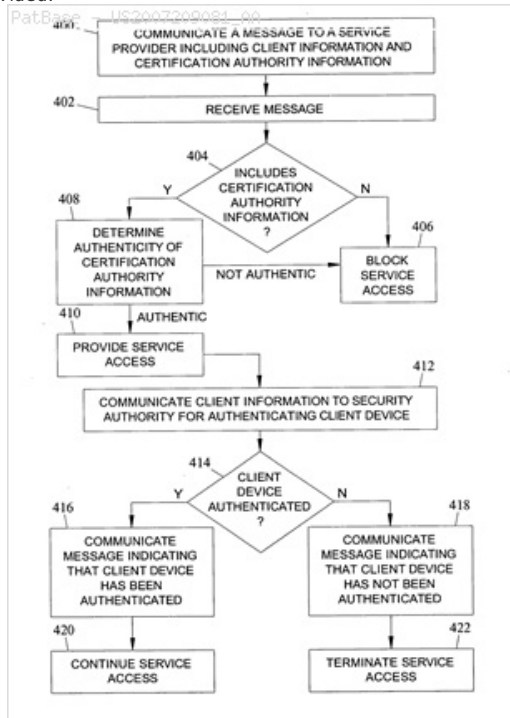
International (IPC 8-9): H04N7/16 H04N7/173 (Advanced/Invention)

CPC: H04N7/17318 H04N21/25816 H04N21/25875 H04N21/2668 H04N21/4627 H04N21/6334

European: H04N21/258C1 H04N21/258U1 H04N21/2668

H04N21/4627 H04N21/6334 H04N7/173B2

US: 348/E7.071 348/E70.71S 726/29 726/29P



Family:

Publication number	Publication date	Application number	Application date
US2007209081 AA	20070906	US20060365025	20060301

Priority:

US20060365025 20060301

Probable Assignee: SCENERA TECHNOLOGIES LLC

Assignee(s): (std): MORRIS ROBERT P

Assignee(s): SCENERA TECHNOLOGIES LLC

Inventor(s): (std): MORRIS ROBERT P

Inventor(s): MORRIS ROBERT PAUL ; MORRIS ROBERT

Agent(s): SCENERA RESEARCH LLC JENKINS WILSON AND TAYLOR PA

Title: SYSTEM, METHOD AND PROGRAM FOR DETERMINING A NETWORK PATH BY WHICH TO SEND A MESSAGE

Abstract: Source: US2007299954A [EN] System, method and program determining a network path by which a workstation can send a message to a target network. The workstation accesses a first part of the network path via a network access server. A plurality of other servers by which the workstation can access a second part of the network path leading to the target network are identified. Respective response times to communicate between the workstation or the network access server and each of the other servers are measured. A determination is made which one of the other servers has a shortest response time. The workstation attempts to connect to the one server, before attempting to connect to other of the other servers, to access the second part of the network. The second part of the network can be a virtual private network, and the other servers are entry point servers for respective virtual private networks.

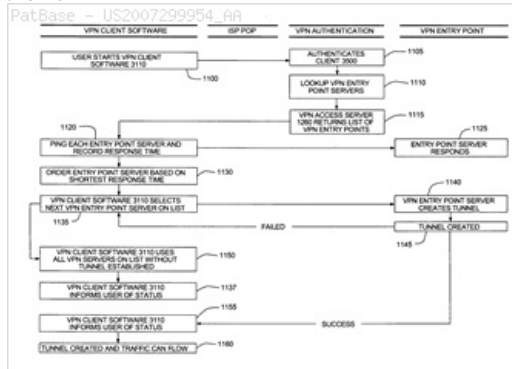
Classifications:

International (IPC 8-9): G06F15/16 G06F15/173 H04L12/26 H04L12/46 H04L12/54 H04L12/701 H04L12/721 H04L12/729 H04L29/06 (Advanced/Invention); G06F15/16 (Core/Invention)

CPC: H04L12/4641 H04L12/5692 H04L45/00 H04L45/125 H04L45/26 H04L63/0272

European: H04L12/46V H04L12/56F1 H04L29/06S2C H04L45/00 H04L45/125 H04L45/26 H04L63/02C

US: 1/1 709/223 709/223P 709/227 709/227S



Family:

Publication number	Publication date	Application number	Application date
TW200822625 A	20080516	TW20070121836	20070615
US2007299954 AA	20071227	US20060475578	20060627
US9137043 BB	20150915	US20060475578	20060627

Priority:

US20060475578 20060627

Probable Assignee: IBM

Assignee(s): (std): FATULA JR JOSEPH J ; IBM

Assignee(s): INT BUSINESS MACHINES CORP

Inventor(s): (std): FATULA JOSEPH J ; FATULA JR ; FATULA JR JOSEPH J

Agent(s): IBM CORP; WILLIAM E; SCHMEISER OLSEN AND WATTS LLP